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1982 Annual Report
Vital Statistics of Massachusetts

Massachusetts Department of Public Health

PUBLIC DOCUMENT NO. 1

The Commonwealth of Massachusetts
Executive Office of Human Services
Department of Public Health
150 Tremont Street
Boston 02111

Bailus Walker, Jr., Ph.D., M.P.H.
COMMISSIONER

January, 1985

To the Honorable Senate and
House of Representatives:

We have the honor to submit as required by Chapter 111, Section 2 of the General Laws, the one hundred forty-first annual report on statistics of births, deaths, fetal deaths, marriages, divorces, and induced abortions in Massachusetts for the calendar year 1982.

This is the nineteenth Annual Report of Vital Statistics published by the Department of Public Health and is intended for administrative and research purposes connected with health programs and population studies.

Respectfully submitted,

Bailus Walker, Jr., Ph.D., M.P.H.
Commissioner of Public Health

PUBLIC DOCUMENT

NO. 1

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC HEALTH

MICHAEL S. DUKAKIS, GOVERNOR
PHILIP W. JOHNSTON, SECRETARY, EXECUTIVE OFFICE OF HUMAN SERVICES
BAILUS WALKER, JR., PH.D., M.P.H., COMMISSIONER, DEPARTMENT OF PUBLIC HEALTH

ANNUAL REPORT
VITAL STATISTICS OF MASSACHUSETTS

1982

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF HEALTH STATISTICS AND RESEARCH (SHARON L. ROSEN, PH.D., DIRECTOR)
REGISTRY OF VITAL RECORDS AND STATISTICS (ELAINE B. TRUDEAU, REGISTRAR)
150 TREMONT STREET
BOSTON, MA 02111

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The 1982 ANNUAL REPORT OF VITAL STATISTICS is the result of the joint efforts of the data providers, including hospital personnel, physicians, funeral directors, the 351 city and town clerks, probate courts, and clinics, and Department of Public Health personnel.

Department of Public Health staff most significantly involved in the production of the 1982 ANNUAL REPORT include:

Elaine Trudeau, editor;

Robert Rosofsky, report analysis and document coordination;

Irene Klangos, supervision of graphics and special table production, with programming by Gail Grady, Lynn Whitton, and Charlene Zion;

Robert Danley, population statistics;

Michael Healey, Division of Data Processing, data file management and vital events series printouts;

George Lareau, table design and word processing;

Dennis Sterzin and Roger Davenport, Graphic Arts Unit of the Department of Public Health, for graphics layout and assistance.

The joint efforts of all the staff of the Registry of Vital Records and Statistics are necessary to produce the data contained in this publication. Special acknowledgement is made to:

R.A. Bernatonis, coordination with cities and towns to produce the data in a timely fashion;

Phyllis Zeuli, supervision of the Vital Statistics Unit which is responsible for data collection, coding and editing.

The 1982 ANNUAL REPORT OF VITAL STATISTICS has been compiled and produced under the general supervision and direction of:

James V. Divver, Assistant Commissioner for Health Care Systems;

Sharon L. Rosen, Ph.D., Director of the Division of Health Statistics and Research.

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INTRODUCTION

The Annual Report of Vital Statistics (Public Document No. 1) has been continuously published since 1842. This is the 19th edition produced by the Department of Public Health. The report, required under the provisions of Section 2, Chapter 111 of the Massachusetts General Laws, tabulates data on Massachusetts births, fetal deaths, deaths, marriages, divorces, induced abortions, and population for calendar year 1982. Approximately 2,000 copies of the report are distributed to federal, state, and local governmental agencies, private and public health planners and researchers, students and members of the general public. The report provides its users with an overview of the health status of the Massachusetts population.

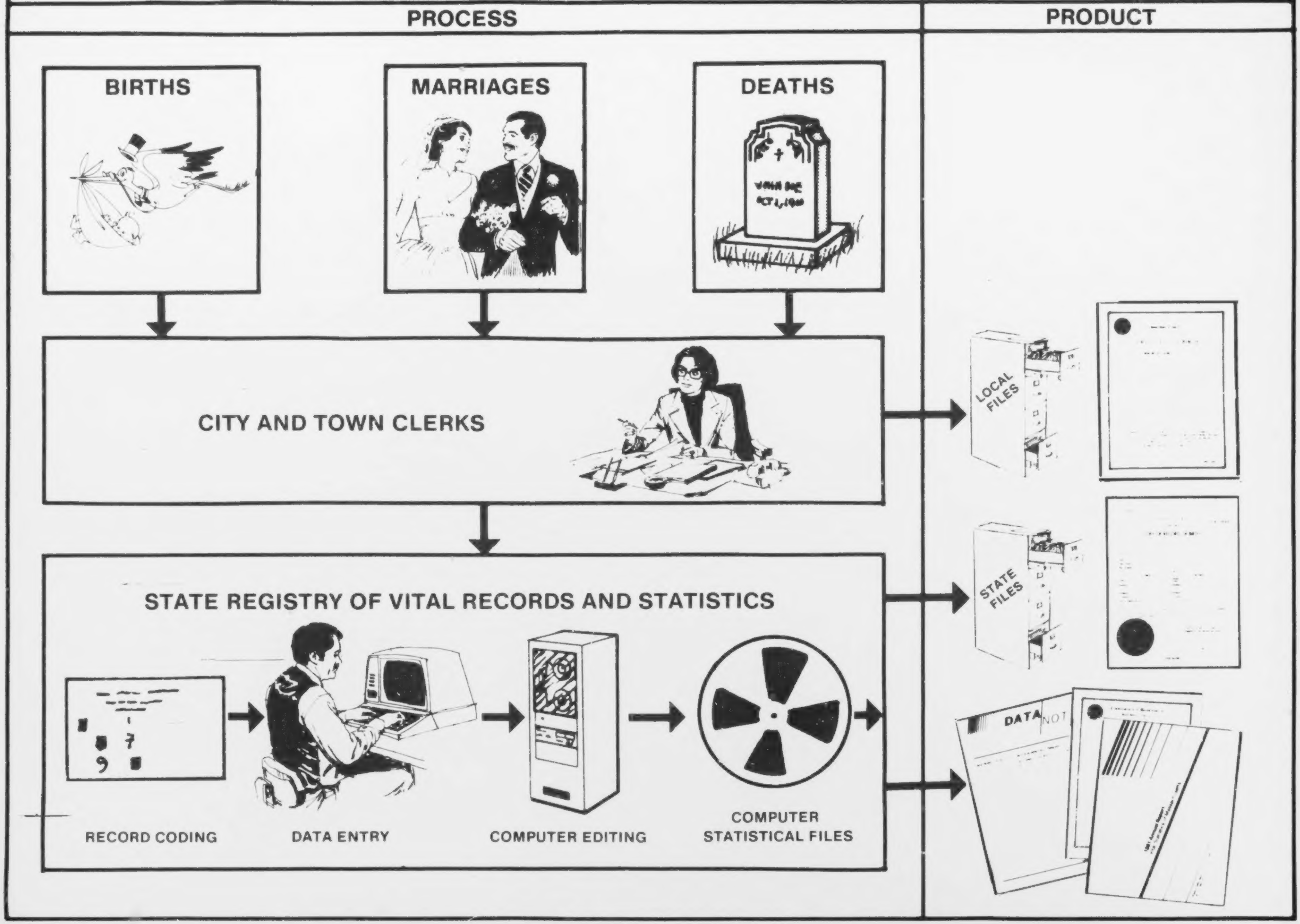
Vital statistics data may be tabulated either in terms of residence or occurrence data. Resident data include all events which occur to residents of the Commonwealth wherever they occur. Occurrence data include all those events which occur within the state, including those which occur to out-of-state residents. There is an interstate exchange agreement among the fifty states and Canada which provides for the exchange of copies of birth and death records. These records are exchanged for statistical purposes only, for events which occur in states other than where the individual resides thereby allowing each of the states and provinces to track the births and deaths of their residents. The majority of the data presented in this report for births and deaths is thus based on resident data. Fetal death, marriage, divorce, and induced abortion data, however, reflect occurrences within the Commonwealth only.

REGISTRATION

The first government operated system of vital events registration anywhere in the world began in the Commonwealth of Massachusetts in 1639 under colonial administration. Prior to that time, the responsibility for the registration of vital events had been placed on church officials. The Massachusetts system mandated the registration of vital events by the clerks of the communities. In 1841, the Massachusetts legislature established the first statewide coordination for the registration of these events by requiring that copies of the events registered in the local cities and towns be sent to the Secretary of State. In 1976, the responsibility for the state coordination was transferred to the Department of Public Health. This was accomplished to rejoin the statistical and registration functions which had been separated by the 1964 transfer of the statistical function to the health department. With the exception of the administrative location of the State Registry, the actual mechanics of the system have changed remarkably little over the years.

With limited exceptions, most vital records in Massachusetts are open, public records. The figure on the next page illustrates the registration process in Massachusetts. For open birth and death records, there is a triple registration process in Massachusetts. The event is first recorded in the city or town where the event occurred. The clerk of that community is then required to forward an attested copy of the record to the community where the person resided at the time of the event and a copy to the State Registry. Certified

The Vital Records and Statistics Process


PROCESS
PRODUCT
BIRTHS
MARRIAGES
DEATHS
CITY AND TOWN CLERKS
LOCAL FILES
STATE REGISTRY OF VITAL RECORDS AND STATISTICS
STATE FILES
RECORD CODING
DATA ENTRY
COMPUTER EDITING
COMPUTER STATISTICAL FILES
DATA
NOT

copies of the records may be issued from local or state records. If the record is a restricted record, however, including out-of-wedlock births, the registration occurs only in the community where the event occurred and the state office.

In addition to receiving a legal copy of each birth record from the city or town in which the birth occurred, the State Registry also receives a confidential copy of the birth record directly from the hospital or birth center where the birth occurred. This copy includes confidential medical information in addition to the legal information. It is this copy of the record which is processed to produce the statistical information on births contained in this report.

Anyone wishing to be married in the Commonwealth may receive their license from any of the 351 cities or towns in the state regardless of where they reside or where the marriage is to take place. The community issuing the license is required to send an attested copy of the marriage record to the State Registry.

The Registry of Vital Records and Statistics receives directly from hospitals the reports of fetal deaths of twenty or more weeks gestation. There are no local filings of fetal death reports. The State Registry receives summary reports of induced abortions each month from hospitals, clinics, and physicians. Abstracts of divorces granted are also sent directly to the State Registry from the Registers of Probate for each county probate court.

STATISTICAL PROCESSING AND TABULATING

The records received in the State Registry are carefully examined for errors or inconsistencies and are queried if necessary. These records are then coded and computerized. Annually, when registration is considered as complete as possible, statistics are aggregated for presentation in this report, for other special studies, and for program monitoring and surveillance.

Anyone using statistical information for comparisons over time should be aware of inconsistencies and changing conventions for classification and coding. This is particularly important when using cause of death information. Codes used for classifying cause of death in this report are based on the Ninth Revision of the International Classification of Diseases, World Health Organization. Classification of variables such as race, nativity, and marital status may also differ over time.

It is hoped that this report will be useful to a wide range of health data users in the Commonwealth, as well as educational planners, demographers, and historians. Questions concerning these data and requests for more detailed findings should be directed to the Massachusetts Department of Public Health, Division of Health Statistics and Research, 150 Tremont Street, Boston, Massachusetts 02111, (617) 727-2977.

VITAL EVENTS

SECTION A

VITAL EVENTS

The 1982 rate of natural increase (the difference between the rate of births and deaths) in Massachusetts continued to show a slight rise in 1982 from a low rate of 3.1 in the late 1970s. Figure A-2 illustrates that while the Massachusetts rate of 4.0 per 1,000 residents remains far below that of the U.S. rate of 7.4 per 1,000 residents, the Massachusetts rate is rising at a slightly faster pace. It is interesting to note that while the Massachusetts rate of natural increase over the past seventy years has shown considerably more variability than that of the U.S. rate, the general trend between the two has remained very steady.

The number of births in 1982 increased 2.5% over 1981 (75,749 compared to 73,931), while the number of deaths increased only 0.1% over 1981 (52,868 compared to 52,814). The birth rate for Massachusetts of 13.2 per 1,000 population is lower than the U.S. rate of 15.9. While the Massachusetts death rate remained at 9.2, the U.S. rate declined by 0.1% to 8.6.

The number of infant and neonatal deaths increased substantially in Massachusetts in 1982. Infant deaths increased by 7.6% for a total of 764 compared to 710 in 1981, a rate increase to 10.1 per 1,000 live births from the 1981 rate of 9.6. Neonatal deaths increased by 12.4% to 573, reflecting a rate of 7.6 per 1,000 live births compared to a rate of 6.9 in 1981. This compares unfavorably to the United States where both neonatal and infant deaths showed a decrease from 1981 to 1982 in number and rate per 1,000 live births. It should be noted, however, that the U.S. data are provisional. Final national figures may show a smaller discrepancy between the rates.

The number of fetal deaths in 1982 showed an increase of 5% to 592 from the 1981 figure of 561. It is unclear, however, if this increase is the result of improved reporting as there most probably has been underreporting of fetal deaths in the past.

Marriages occurring in Massachusetts increased slightly (1.8%) from 1981 to 1982, while the number of divorces remained virtually the same. For the United States, the number of marriages increased 2.3% from 1981 to 1982 while the number of divorces decreased by 3.3%. The Massachusetts marriage and divorce rates were both lower than the national rates in 1982. Over the past decade, the difference between the U.S. and the Massachusetts divorce rate has been steadily diminishing.

Induced abortions were 1.5% lower in 1982 than in 1981. This is the third year in which there was a decrease in the number of abortions.

In addition to expanding on the information described above, this section includes tables and graphic presentations of summary birth and death data for each city and town, county, and health service area in Massachusetts. A breakdown of vital events by 1982 calendar month is provided as well as summary birth and death data since 1980. Succeeding sections of this report present detailed data on each type of vital event.

FIGURE A–1

MASSACHUSETTS VITAL EVENTS

Each day in Massachusetts, there are approximately:

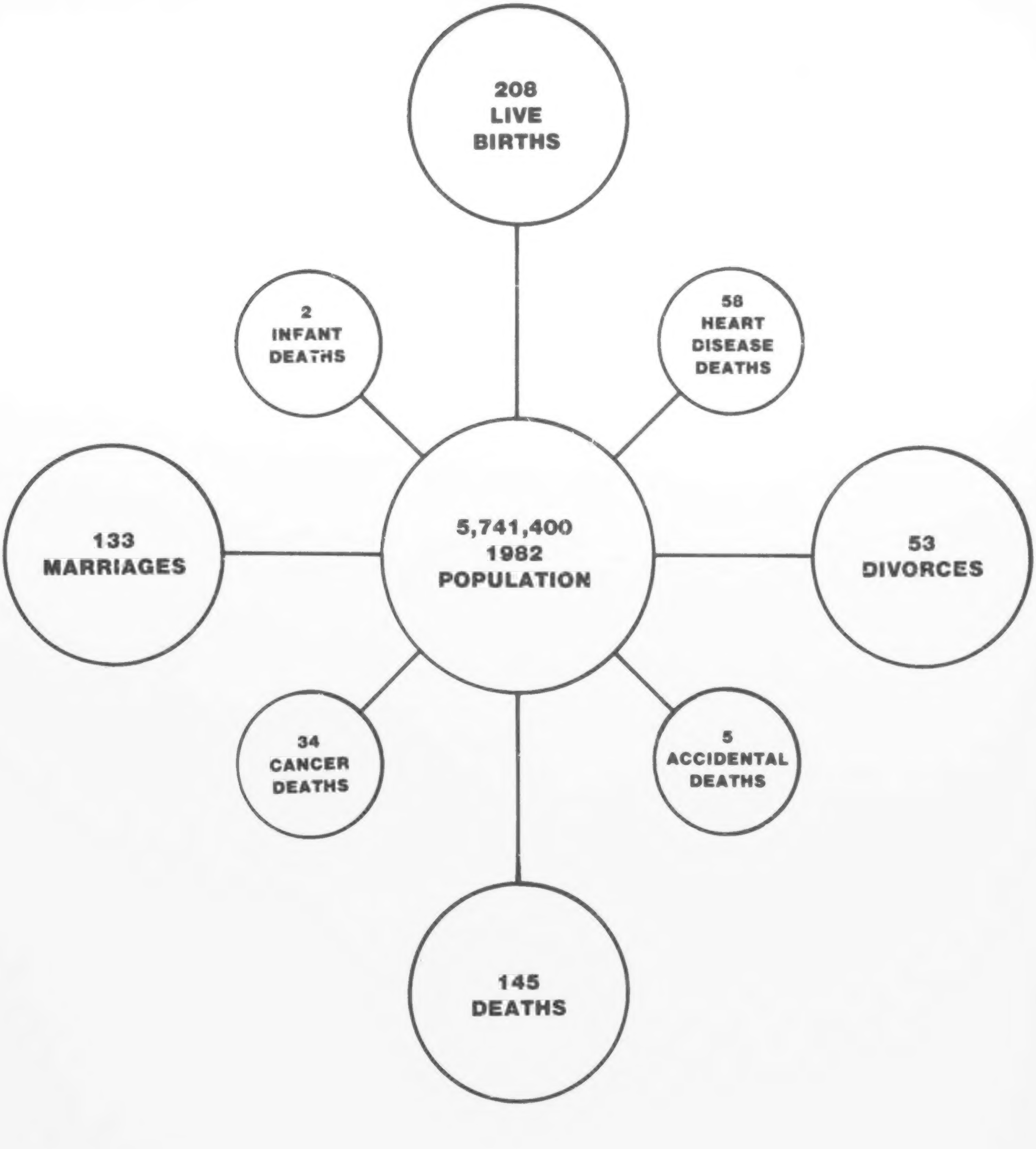

208
LIVE
BIRTHS
2
INFANT
DEATHS
58
HEART
DISEASE
DEATHS
133
MARRIAGES
5,741,400
1982
POPULATION
53
DIVORCES
34
CANCER
DEATHS
5
ACCIDENTAL
DEATHS
145
DEATHS

TABLE A-1
SUMMARY OF VITAL EVENTS--MASSACHUSETTS AND UNITED STATES
1981-1982

VITAL EVENT	- MASSACHUSETTS -			- UNITED STATES -		
	1981	1982	% CHANGE	1981	1982	% CHANGE
LIVE BIRTHS	73,931	75,749	+2.5	3,646,000	3,704,000	+1.6
FETAL DEATHS	561	592	+5.5	N/A	N/A	
TOTAL DEATHS	52,814	52,868	+0.1	1,987,000	1,986,000	-0.1
INFANT DEATHS	710	764	+7.6	42,700	41,700	-2.4
NEONATAL DEATHS	510	573	+12.4	28,400	28,200	-0.7
MARRIAGES	47,802	48,645	+1.8	2,438,000	2,495,000	+2.3
DIVORCES	19,502	19,531	+0.1	1,180,000	1,219,000	-3.3
ABORTIONS	40,913	40,308	-1.5	N/A	N/A	

NOTE: NEONATAL AND INFANT DEATHS ARE INCLUDED IN TOTAL DEATHS, BUT NOT FETAL DEATHS. FIGURES FOR MARRIAGES, DIVORCES AND ABORTION REFLECT OCCURRENCE, NOT RESIDENCE.

ALL U.S. FIGURES OTHER THAN BIRTHS ARE PROVISIONAL.

TABLE A-2
CRUDE RATES OF VITAL EVENTS, MASSACHUSETTS AND UNITED STATES
1981-1982

VITAL EVENT	- MASSACHUSETTS -		- UNITED STATES -	
	1981	1982	1981	1982
LIVE BIRTHS	12.9	13.2	15.8	15.9
FETAL DEATHS	7.5	7.8	N/A	N/A
TOTAL DEATHS	9.2	9.2	8.7	8.6
INFANT DEATHS	9.6	10.1	11.7	11.2
NEONATAL DEATHS	6.9	7.6	7.8	7.6
MARRIAGES	8.3	8.5	10.6	10.8
DIVORCES	3.4	3.4	5.3	5.1
ABORTIONS	7.1	7.0	N/A	N/A

NOTE: THE RATES FOR LIVE BIRTHS, TOTAL DEATHS, MARRIAGES, DIVORCES AND ABORTIONS ARE PER 1,000 POPULATION.

INFANT AND NEONATAL DEATHS ARE PER 1,000 LIVE BIRTHS.

FETAL DEATHS ARE PER 1,000 LIVE BIRTHS AND FETAL DEATHS.

ALL U.S. RATES OTHER THAN BIRTHS ARE PROVISIONAL.

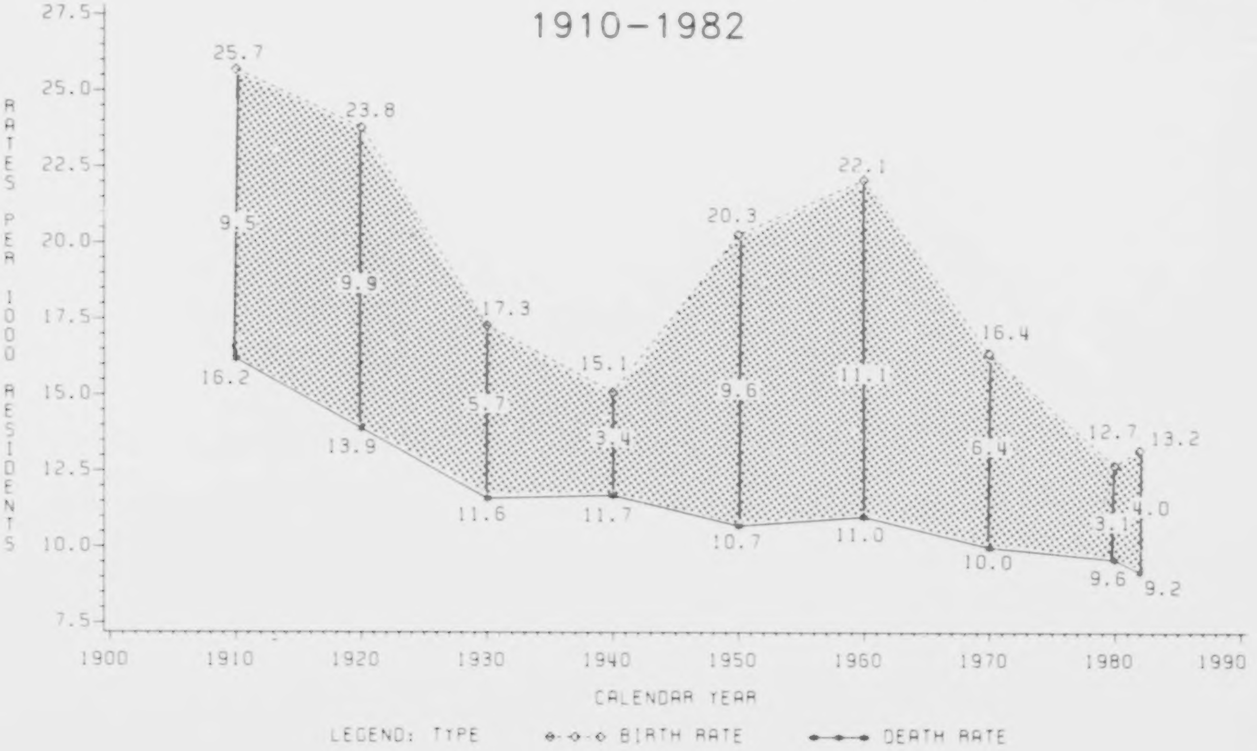
TABLE A-3
MASSACHUSETTS RESIDENT BIRTHS AND DEATHS AND RESULTANT NATURAL INCREASE
1900-1982

YEAR	BIRTHS	DEATHS	NATURAL INCREASE
1900	73,386	51,156	22,230
1905	75,022	50,486	24,536
1910	86,539	54,407	32,132
1915	93,155	53,131	40,024
1920	91,859	53,632	38,227
1925	86,014	51,890	34,124
1930	73,690	49,503	24,187
1935	62,416	49,634	12,782
1940	65,369	50,698	14,671
1945	76,455	50,763	25,692
1950	95,619	50,359	45,260
1955	109,610	53.386	56,224
1960	114,018	56,560	57,458
1965	100,262	58,853	41,409
1970	93,582	56,944	36,638
1975	68,070	53,708	14,362
1980	72,591	54,935	17,656
1981	73,931	52,814	21,117
1982	75,749	52,868	22,881

FIGURE A-2

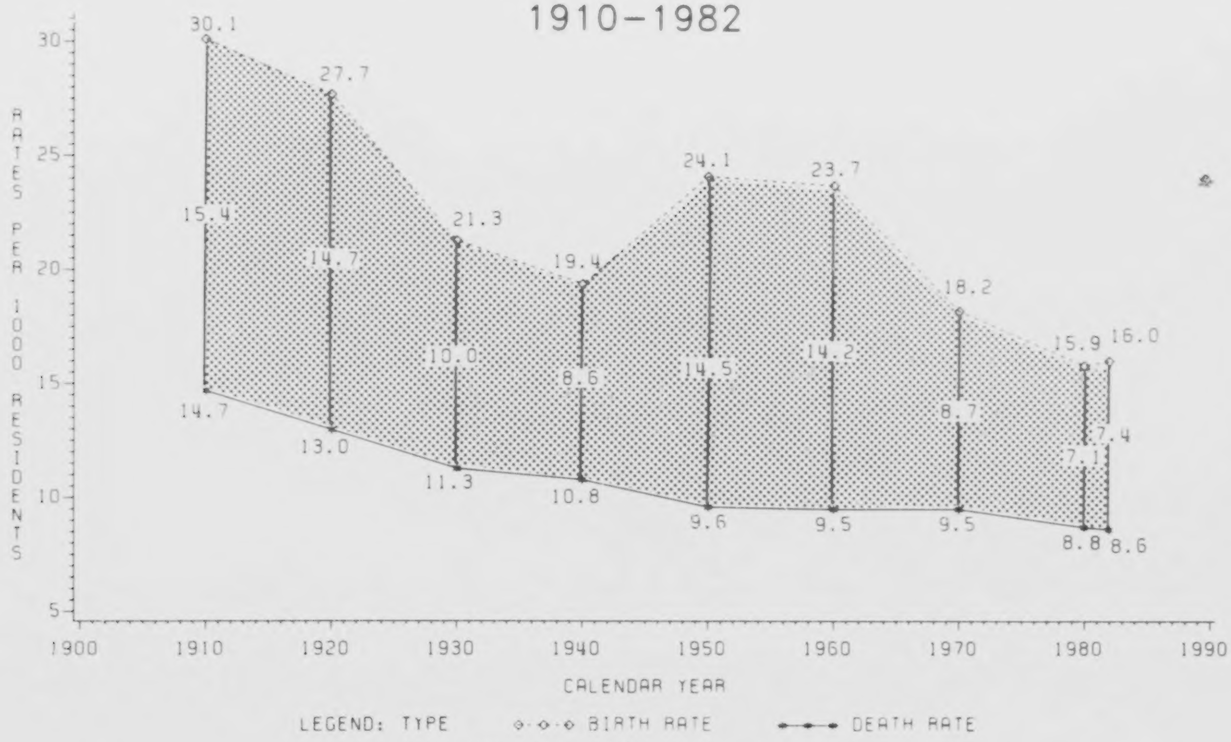
MASSACHUSETTS RATE OF NATURAL INCREASE

1910–1982



UNITED STATES RATE OF NATURAL INCREASE

1910–1982



NOTE: 1982 U.S. DATA IS PROVISIONAL

TABLE A-4
VITAL EVENTS BY MONTH
1982

		BIRTHS	FETAL DEATHS	DEATHS	INFANT DEATHS	NEONATAL DEATHS	MARRIAGES	DIVORCES	ABORTIONS
JANUARY	N	5,991	41	4,682	77	60	2,063	1,583	3,520
	%	7.9	6.9	8.9	10.1	10.5	4.2	8.1	8.7
FEBRUARY	N	5,621	35	4,082	77	56	2,378	1,505	3,330
	%	7.4	5.9	7.7	10.1	9.8	4.9	7.7	8.3
MARCH	N	6,534	43	4,703	75	50	2,125	1,867	3,662
	%	8.6	7.3	8.9	9.8	8.7	7.7	9.5	9.1
APRIL	N	6,398	60	4,561	54	46	3,448	1,679	3,380
	%	8.5	10.1	8.6	7.1	8.0	7.1	8.6	8.4
MAY	N	6,530	42	4,513	64	53	5,767	1,613	3,331
	%	8.6	7.1	8.5	8.4	9.2	11.9	8.2	8.3
JUNE	N	6,426	63	4,156	50	36	6,155	1,676	3,345
	%	8.5	10.6	7.9	6.5	6.3	12.6	8.6	8.3
JULY	N	6,637	55	4,396	63	50	4,563	1,559	3,404
	%	8.8	9.3	8.3	8.2	8.7	9.4	8.0	8.4
AUGUST	N	6,651	54	4,087	59	45	5,237	1,476	3,432
	%	8.8	9.1	7.7	7.7	7.9	10.8	7.6	8.5
SEPTEMBER	N	6,544	46	4,129	65	56	5,671	1,599	3,050
	%	8.6	7.8	7.8	8.5	9.8	11.6	8.2	7.6
OCTOBER	N	6,461	53	4,458	54	39	5,711	1,673	3,399
	%	8.5	9.0	8.4	7.1	6.8	11.7	8.6	8.4
NOVEMBER	N	6,032	57	4,426	58	38	3,046	1,483	3,175
	%	8.0	9.6	8.4	7.6	6.6	6.3	7.6	7.9
DECEMBER	N	5,924	43	4,675	68	44	2,490	1,818	3,280
	%	7.8	7.3	8.9	8.9	6.7	5.1	9.3	8.1
TOTALS	N	75,749	592	52,868	764	573	48,654	19,531	40,308
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE A-5A

BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

	OCCURRENCE		RESIDENT BIRTHS							RESIDENT DEATHS									RESIDENT NATURAL INCREASE
			BIRTH	---M A T U R E---			I M M A T U R E			----ALL DEATHS----			----INFANT----			---NEONATAL--			
CITY / TOWN	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
ABINGTON	0	50	179	165	90	75	14	5	9	132	68	64	2	0	2	1	0	1	47
ACTON	4	55	212	201	100	101	11	4	7	83	42	41	1	1	0	1	1	0	129
ACUSHNET	0	18	101	94	61	33	7	3	4	79	49	30	2	1	1	2	1	1	22
ADAMS	0	23	128	121	60	61	7	3	4	132	79	53	1	0	1	1	0	1	-4
AGAWAM	1	96	302	279	152	127	23	12	11	213	128	85	4	2	2	2	1	1	89
ALFORD	0	0	4	4	2	2	0	0	0	5	0	5	0	0	0	0	0	0	-1
AMESBURY	5	169	238	226	117	109	12	6	6	129	70	59	2	2	0	1	1	0	109
AMHERST	2	45	191	180	96	84	11	6	5	77	31	46	2	2	0	2	2	0	114
ANDOVER	2	41	264	261	133	128	3	1	2	166	82	84	0	0	0	0	0	0	98
ARLINGTON	6	400	477	454	230	224	23	14	9	474	227	247	3	1	2	3	1	2	3
ASHBURNHAM	1	5	40	38	25	13	2	1	1	25	13	12	0	0	0	0	0	0	15
ASHBY	0	5	30	29	14	15	1	1	0	28	19	9	0	0	0	0	0	0	2
ASHFIELD	0	3	21	20	11	9	1	1	0	12	6	6	1	1	0	1	1	0	9
ASHLAND	0	4	163	154	79	75	9	4	5	56	32	24	1	1	0	1	1	0	107
ATHOL	2	146	150	137	67	70	13	4	9	124	61	63	2	1	1	2	1	1	26
ATTLEBORO	1027	483	500	470	233	237	30	8	22	283	150	133	2	0	2	2	0	2	217
AUBURN	0	23	140	137	76	61	3	1	2	136	67	69	1	1	0	1	1	0	4
AVON	1	2	68	63	29	34	5	3	2	32	21	11	2	1	1	2	1	1	36
AYER	1	161	253	244	121	123	9	4	5	52	30	22	4	1	3	3	1	2	201
BARNSTABLE	1077	978	423	408	210	198	15	10	5	383	188	195	5	2	3	2	1	1	40
BARRE	4	16	60	57	33	24	3	1	2	31	14	17	0	0	0	0	0	0	29
BECKET	0	1	24	20	14	6	4	3	1	6	3	3	2	2	0	2	2	0	18
BEDFORD	1	156	180	170	87	83	10	4	6	77	46	31	3	1	2	3	1	2	103
BELCHERTOWN	2	7	134	126	69	57	8	3	5	57	36	21	1	1	0	1	1	0	77
BELLINGHAM	0	12	196	187	93	94	9	2	7	78	46	32	1	0	1	1	0	1	118

TABLE A-5A

BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

			RESIDENT BIRTHS							RESIDENT DEATHS									RESIDENT NATURAL INCREASE
	OCCURRENCE		BIRTH	MATURE			IMMATURE			ALL DEATHS			INFANT			NEONATAL			
CITY / TOWN	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
BELMONT	3	73	213	204	99	105	9	7	2	274	127	147	0	0	0	0	0	0	-61
BERKLEY	0	4	40	37	16	21	3	3	0	19	13	6	0	0	0	0	0	0	21
BERLIN	0	2	24	22	14	8	2	1	1	13	5	8	0	0	0	0	0	0	11
BERNARDSTON	0	3	24	23	16	7	1	0	1	15	10	5	0	0	0	0	0	0	9
BEVERLY	1080	480	529	492	243	249	37	21	16	369	166	203	6	6	0	4	4	0	160
BILLERICA	3	47	556	522	278	244	34	14	20	206	118	88	5	2	3	4	2	2	350
BLACKSTONE	0	13	97	91	44	47	6	3	3	53	27	26	1	0	1	1	0	1	44
BLANDFORD	0	6	8	8	4	4	0	0	0	9	5	4	0	0	0	0	0	0	-1
BOLTON	0	5	34	31	19	12	3	2	1	16	8	8	0	0	0	0	0	0	18
BOSTON	17180	9491	8361	7644	3931	3713	717	341	376	5701	2855	2846	132	86	46	96	65	31	2660
BOURNE	0	64	225	220	114	106	5	2	3	158	89	69	2	2	0	1	1	0	67
BOXBOROUGH	1	2	54	50	28	22	4	1	3	7	3	4	1	0	1	1	0	1	47
BOXFORD	0	4	58	58	26	32	0	0	0	26	12	14	1	1	0	1	1	0	32
BOYLSTON	0	63	47	44	26	18	3	1	2	32	18	14	2	1	1	2	1	1	15
BRAINTREE	0	326	371	355	190	165	16	3	13	398	172	226	6	1	5	4	1	3	-27
BREWSTER	0	43	60	57	28	29	3	1	2	59	32	27	1	1	0	1	1	0	1
BRIDGEWATER	1	17	242	234	118	116	8	1	7	95	49	46	3	1	2	3	1	2	147
BRIMFIELD	1	4	29	29	16	13	0	0	0	24	13	11	0	0	0	0	0	0	5
BROCKTON	1249	1457	1593	1500	788	712	93	46	47	916	451	465	13	6	7	12	5	7	677
BROOKFIELD	1	4	29	28	18	10	1	0	1	25	12	13	0	0	0	0	0	0	4
BROOKLINE	14	190	493	476	240	236	17	10	7	555	248	307	4	2	2	4	2	2	-62
BUCKLAND	1	4	24	24	13	11	0	0	0	13	6	7	0	0	0	0	0	0	11
BURLINGTON	0	301	272	256	138	118	16	6	10	117	64	53	0	0	0	0	0	0	155
CAMBRIDGE	1556	1241	1013	944	489	455	69	41	28	785	349	436	8	5	3	6	3	3	228
CANTON	0	31	192	177	83	94	15	12	3	154	70	84	2	1	1	2	1	1	38

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

CITY / TOWN	OCCURRENCE		RESIDENT BIRTHS							RESIDENT DEATHS									RESIDENT NATURAL INCREASE
			BIRTH	---MATURE---			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
CARLISLE	2	6	45	45	30	15	0	0	0	13	5	8	0	0	0	0	0	0	32
CARVER	0	10	131	126	70	56	5	2	3	43	30	13	1	0	1	0	0	0	88
CHARLEMONT	0	3	26	25	15	10	1	1	0	12	10	2	1	0	1	1	0	1	14
CHARLTON	0	34	118	115	63	52	3	1	2	64	34	30	0	0	0	0	0	0	54
CHATHAM	0	28	48	48	28	20	0	0	0	96	53	43	0	0	0	0	0	0	-48
CHELMSFORD	1	62	316	303	162	141	13	8	5	204	109	95	1	1	0	0	0	0	112
CHELSEA	1	236	403	374	193	181	29	11	18	337	192	145	5	1	4	4	1	3	66
CHESHIRE	0	4	41	40	21	19	1	0	1	16	8	8	0	0	0	0	0	0	25
CHESTER	0	4	13	13	5	8	0	0	0	10	3	7	0	0	0	0	0	0	3
CHESTERFIELD	0	0	18	18	11	7	0	0	0	5	3	2	0	0	0	0	0	0	13
CHICOPEE	0	153	721	680	327	353	41	20	21	540	295	245	9	5	4	6	3	3	181
CHILMARK	0	1	14	13	10	3	1	0	1	4	3	1	0	0	0	0	0	0	10
CLARKSBURG	0	2	20	19	8	11	1	0	1	12	7	5	0	0	0	0	0	0	8
CLINTON	1	101	207	194	96	98	13	9	4	123	67	56	4	1	3	3	1	2	84
COHASSET	0	50	62	60	34	26	2	1	1	68	29	39	1	0	1	1	0	1	-6
COLRAIN	1	4	32	30	15	15	2	1	1	9	7	2	0	0	0	0	0	0	23
CONCORD	1481	370	133	131	79	52	2	2	0	130	54	76	1	1	0	1	1	0	3
CONWAY	1	3	28	25	13	12	3	1	2	12	7	5	0	0	0	0	0	0	16
CUMMINGTON	0	4	11	10	7	3	1	1	0	8	4	4	1	0	1	0	0	0	3
DALTON	0	36	77	71	32	39	6	3	3	55	24	31	1	1	0	1	1	0	22
DANVERS	601	334	268	252	127	125	16	8	8	210	104	106	3	0	3	3	0	3	58
DARTMOUTH	1	96	238	229	132	97	9	6	3	213	109	104	2	2	0	1	1	0	25
DEDHAM	0	53	240	229	109	120	11	6	5	209	96	113	4	2	2	4	2	2	31
DEERFIELD	0	22	54	53	27	26	1	1	0	38	16	22	0	0	0	0	0	0	16
DENNIS	0	45	163	156	67	89	7	4	3	172	84	88	1	1	0	0	0	0	-9

TABLE A-5A

BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

CITY / TOWN	OCCURRENCE		RESIDENT BIRTHS							RESIDENT DEATHS									RESIDENT NATURAL INCREASE
			BIRTH	MATURE			IMMATURE			ALL DEATHS			INFANT			NEONATAL			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
DIGHTON	0	12	50	49	18	31	1	0	1	48	24	24	1	0	1	1	0	1	2
DOUGLAS	0	6	78	71	38	33	7	3	4	25	11	14	0	0	0	0	0	0	53
DOVER	0	5	36	34	16	18	2	1	1	32	15	17	0	0	0	0	0	0	4
DRACUT	0	22	302	283	147	136	19	10	9	159	90	69	4	2	2	4	2	2	143
DUDLEY	1	10	103	98	52	46	5	2	3	58	32	26	1	0	1	1	0	1	45
DUNSTABLE	0	2	27	27	8	19	0	0	0	10	7	3	0	0	0	0	0	0	17
DUXBURY	1	20	161	157	76	81	4	2	2	83	45	38	0	0	0	0	0	0	78
EAST BRIDGEWATER	0	21	129	125	69	56	4	2	2	69	28	41	1	0	1	1	0	1	60
EAST BROOKFIELD	0	0	23	23	13	10	0	0	0	12	4	8	0	0	0	0	0	0	11
EAST LONGMEADOW	0	64	108	101	48	53	7	4	3	110	60	50	0	0	0	0	0	0	-2
EASTHAM	4	11	46	45	23	22	1	1	0	40	18	22	0	0	0	0	0	0	6
EASTHAMPTON	0	28	199	188	97	91	11	4	7	133	67	66	1	1	0	1	1	0	66
EASTON	1	27	241	231	107	124	10	2	8	114	55	59	1	1	0	1	1	0	127
EDGARTOWN	2	7	53	49	26	23	4	4	0	23	6	17	0	0	0	0	0	0	30
EGREMONT	1	0	10	10	7	3	0	0	0	15	5	10	0	0	0	0	0	0	-5
ERVING	0	5	7	7	1	6	0	0	0	10	7	3	0	0	0	0	0	0	-3
ESSEX	1	9	45	45	25	20	0	0	0	27	19	8	0	0	0	0	0	0	18
EVERETT	0	382	467	436	234	202	31	16	15	407	200	207	5	3	2	3	3	0	60
FAIRHAVEN	0	94	166	156	89	67	10	4	6	204	99	105	2	1	1	1	1	0	-38
FALL RIVER	1968	1482	1313	1235	594	641	78	33	45	1071	536	535	13	10	3	7	5	2	242
FALMOUTH	502	388	310	294	148	146	16	6	10	292	143	149	4	2	2	4	2	2	18
FITCHBURG	324	375	569	542	283	259	27	9	18	395	197	198	9	5	4	5	2	3	174
FLORIDA	0	0	13	13	7	6	0	0	0	3	2	1	0	0	0	0	0	0	10
FOXBOROUGH	0	25	191	182	90	92	9	4	5	101	47	54	1	1	0	1	1	0	90
FRAMINGHAM	1979	798	682	654	320	334	28	17	11	567	265	302	4	2	2	4	2	2	115

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

CITY / TOWN	OCCURRENCE		RESIDENT BIRTHS							RESIDENT DEATHS									RESIDENT NATURAL INCREASE
			BIRTH	MATURE			IMMATURE			ALL DEATHS			INFANT			NEONATAL			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
FRANKLIN	1	34	282	263	133	130	19	10	9	147	69	78	7	6	1	7	6	1	135
FREETOWN	1	6	118	115	61	54	3	1	2	33	21	12	0	0	0	0	0	0	85
GARDNER	337	281	243	223	119	104	20	6	14	207	111	96	4	2	2	2	1	1	36
GAYHEAD	1	0	4	3	2	1	1	0	1	2	1	1	0	0	0	0	0	0	2
GEORGETOWN	0	8	67	64	35	29	3	1	2	33	21	12	0	0	0	0	0	0	34
GILL	0	2	17	15	11	4	2	1	1	7	4	3	0	0	0	0	0	0	10
GLOUCESTER	331	336	438	413	221	192	25	11	14	312	160	152	1	0	1	0	0	0	126
GOSHEN	0	2	8	7	0	7	1	1	0	2	2	0	0	0	0	0	0	0	6
GOSNOLD	0	2	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	-2
GRAFTON	1	15	179	168	83	85	11	6	5	79	43	36	0	0	0	0	0	0	100
GRANBY	1	12	60	60	31	29	0	0	0	44	26	18	1	0	1	0	0	0	16
GRANVILLE	1	0	19	19	8	11	0	0	0	8	5	3	0	0	0	0	0	0	11
GREAT BARRINGTON	100	190	82	75	37	38	7	2	5	98	43	55	2	1	1	2	1	1	-16
GREENFIELD	871	272	208	197	110	87	11	2	9	207	103	104	2	1	1	1	1	0	1
GROTON	0	21	83	77	44	33	6	2	4	38	20	18	4	3	1	3	2	1	45
GROVELAND	1	2	75	71	39	32	4	2	2	28	19	9	1	1	0	1	1	0	47
HADLEY	1	11	53	50	26	24	3	0	3	45	30	15	2	0	2	1	0	1	8
HALIFAX	0	13	83	75	36	39	8	5	3	41	25	16	0	0	0	0	0	0	42
HAMILTON	0	7	80	76	37	39	4	1	3	42	17	25	0	0	0	0	0	0	38
HAMPDEN	0	21	53	53	21	32	0	0	0	30	16	14	0	0	0	0	0	0	23
HANCOCK	0	0	11	11	7	4	0	0	0	4	3	1	0	0	0	0	0	0	7
HANOVER	1	22	150	147	83	64	3	2	1	60	33	27	0	0	0	0	0	0	90
HANSON	1	43	144	138	59	79	6	3	3	53	27	26	1	0	1	1	0	1	91
HARDWICK	0	1	25	25	11	14	0	0	0	29	13	16	0	0	0	0	0	0	-4
HARVARD	1	28	42	40	22	18	2	1	1	29	15	14	2	2	0	1	1	0	13

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

CITY / TOWN	OCCURRENCE		RESIDENT BIRTHS							RESIDENT DEATHS									RESIDENT NATURAL INCREASE
			BIRTH	MATURE			IMMATURE			ALL DEATHS			INFANT			NEONATAL			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
HARWICH	0	35	86	81	43	38	5	4	1	128	64	64	1	1	0	0	0	0	-42
HATFIELD	0	15	36	36	17	19	0	0	0	37	22	15	0	0	0	0	0	0	-1
HAVERHILL	589	582	744	700	345	355	44	24	20	505	244	261	13	10	3	9	6	3	239
HAWLEY	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1
HEATH	0	0	13	12	7	5	1	0	1	1	1	0	0	0	0	0	0	0	12
HINGHAM	1	84	205	195	100	95	10	2	8	150	65	85	3	1	2	1	0	1	55
HINSDALE	0	11	30	30	14	16	0	0	0	21	11	10	1	1	0	1	1	0	9
HOLBROOK	0	16	133	123	60	63	10	5	5	88	49	39	1	1	0	1	1	0	45
HOLDEN	1	133	127	124	68	56	3	1	2	123	66	57	0	0	0	0	0	0	4
HOLLAND	0	0	26	25	16	9	1	0	1	15	8	7	1	0	1	1	0	1	11
HOLLISTON	1	6	200	188	97	91	12	7	5	52	26	26	0	0	0	0	0	0	148
HOLYOKE	1251	978	760	703	350	353	57	33	24	576	262	314	8	5	3	6	4	2	184
HOPEDALE	0	15	42	40	23	17	2	2	0	36	16	20	0	0	0	0	0	0	6
HOPKINTON	0	2	132	127	74	53	5	3	2	52	25	27	0	0	0	0	0	0	80
HUBBARDSTON	0	1	37	37	16	21	0	0	0	10	4	6	0	0	0	0	0	0	27
HUDSON	0	22	239	220	119	101	19	10	9	114	68	46	0	0	0	0	0	0	125
HULL	0	15	159	146	78	68	13	8	5	74	45	29	2	2	0	2	2	0	85
HUNTINGTON	0	2	32	29	18	11	3	0	3	9	4	5	0	0	0	0	0	0	23
IPSWICH	2	45	146	144	76	68	2	0	2	109	51	58	0	0	0	0	0	0	37
KINGSTON	0	13	117	110	57	53	7	2	5	72	34	38	1	0	1	1	0	1	45
LAKEVILLE	0	30	71	67	32	35	4	2	2	46	26	20	0	0	0	0	0	0	25
LANCASTER	0	11	73	71	36	35	2	0	2	25	13	12	0	0	0	0	0	0	48
LANESBOROUGH	0	3	30	29	22	7	1	0	1	21	10	11	0	0	0	0	0	0	9
LAWRENCE	1266	733	1252	1157	584	573	95	42	53	706	345	361	21	13	8	13	8	5	546
LEE	0	32	78	76	39	37	2	1	1	57	24	33	0	0	0	0	0	0	21

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

	OCCURRENCE		RESIDENT BIRTHS							RESIDENT DEATHS									RESIDENT NATURAL INCREASE
			BIRTH	MATURE			IMMATURE			ALL DEATHS			INFANT			NEONATAL			
CITY / TOWN	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
LEICESTER	0	6	111	106	54	52	5	5	0	69	31	38	0	0	0	0	0	0	42
LENOX	0	66	83	79	47	32	4	1	3	81	33	48	2	0	2	2	0	2	2
LEOMINSTER	1509	273	531	504	265	239	27	13	14	260	111	149	4	0	4	1	0	1	271
LEVERETT	2	3	25	24	9	15	1	0	1	8	5	3	0	0	0	0	0	0	17
LEXINGTON	5	99	224	210	97	113	14	5	9	218	94	124	0	0	0	0	0	0	6
LEYDEN	0	0	8	8	5	3	0	0	0	2	2	0	0	0	0	0	0	0	6
LINCOLN	0	9	42	38	24	14	4	2	2	33	17	16	1	1	0	0	0	0	9
LITTLETON	1	21	99	93	50	43	6	3	3	48	20	28	1	0	1	1	0	1	51
LONGMEADOW	0	74	104	100	47	53	4	1	3	145	66	79	2	0	2	1	0	1	-41
LOWELL	2480	1395	1631	1523	753	770	108	55	53	1050	540	510	15	10	5	7	5	2	581
LUDLOW	0	150	193	185	91	94	8	2	6	144	76	68	1	0	1	0	0	0	49
LUNENBURG	2	16	98	93	58	35	5	3	2	53	30	23	2	0	2	1	0	1	45
LYNN	1248	1049	1312	1216	622	594	96	44	52	942	493	449	13	8	5	12	7	5	370
LYNNFIELD	0	10	93	87	43	44	6	2	4	62	33	29	0	0	0	0	0	0	31
MALDEN	1452	439	665	615	317	298	50	20	30	574	263	311	7	3	4	5	2	3	91
MANCHESTER	0	17	51	51	30	21	0	0	0	36	17	19	0	0	0	0	0	0	15
MANSFIELD	2	12	205	197	99	98	8	3	5	93	41	52	4	1	3	3	1	2	112
MARBLEHEAD	2	97	189	182	89	93	7	6	1	193	89	104	1	1	0	1	1	0	-4
MARION	0	11	39	37	18	19	2	0	2	36	17	19	1	1	0	1	1	0	3
MARLBOROUGH	4	325	431	406	197	209	25	12	13	257	104	153	9	4	5	7	4	3	174
MARSHFIELD	1	34	321	305	147	158	16	8	8	147	80	67	5	2	3	3	2	1	174
MASHPEE	0	20	50	50	27	23	0	0	0	43	24	19	0	0	0	0	0	0	7
MATTAPOISETT	0	20	58	57	30	27	1	0	1	54	28	26	2	0	2	2	0	2	4
MAYNARD	1	15	121	114	58	56	7	3	4	104	60	44	2	1	1	1	1	0	17
MEDFIELD	1	22	114	110	59	51	4	3	1	61	32	29	0	0	0	0	0	0	53

TABLE A-5A

BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

CITY / TOWN	OCCURRENCE BIRTHS	OCCURRENCE DEATHS	RESIDENT BIRTHS BIRTH TOTAL	MATURE TOTAL	MATURE MALE	MATURE FEMALE	IMMATURE TOTAL	IMMATURE MALE	IMMATURE FEML	RESIDENT DEATHS ALL DEATHS TOTAL	ALL DEATHS MALE	ALL DEATHS FEMALE	INFANT TOTL	INFANT MALE	INFANT FEML	NEONATAL TOTL	NEONATAL MALE	NEONATAL FEML	RESIDENT NATURAL INCREASE
MEDFORD	5	336	647	609	321	288	38	22	16	604	310	294	15	9	6	15	9	6	43
MEDWAY	0	19	124	117	65	52	7	3	4	64	37	27	3	2	1	2	1	1	60
MELROSE	1463	489	380	362	173	189	18	12	6	307	143	164	2	1	1	1	0	1	73
MENDON	0	5	52	50	29	21	2	0	2	24	17	7	0	0	0	0	0	0	28
MERRIMAC	0	0	59	58	32	26	1	1	0	29	14	15	0	0	0	0	0	0	30
METHUEN	1380	567	463	445	229	216	18	10	7	341	170	170	2	1	0	2	1	0	122
MIDDLEBOROUGH	0	214	282	266	130	136	16	7	9	157	77	80	2	2	0	1	1	0	125
MIDDLEFIELD	0	2	7	7	4	3	0	0	0	3	3	0	0	0	0	0	0	0	4
MIDDLETON	0	4	62	56	32	24	6	0	6	28	22	6	0	0	0	0	0	0	34
MILFORD	524	281	368	354	185	169	14	11	3	209	106	103	2	2	0	2	2	0	159
MILLBURY	0	13	151	139	68	71	12	7	5	106	59	47	1	1	0	1	1	0	45
MILLIS	1	4	123	117	59	58	6	0	6	50	23	27	3	1	2	2	0	2	73
MILLVILLE	0	0	21	19	11	8	2	0	2	4	3	1	0	0	0	0	0	0	17
MILTON	1	292	244	232	129	103	12	7	5	315	152	163	1	0	1	1	0	1	-71
MONROE	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	-2
MONSON	1	12	105	98	46	52	7	3	4	45	24	21	0	0	0	0	0	0	60
MONTAGUE	0	97	102	98	47	51	4	3	1	77	44	33	0	0	0	0	0	0	25
MONTEREY	0	2	8	7	5	2	1	1	0	6	4	2	0	0	0	0	0	0	2
MONTGOMERY	0	0	7	6	5	1	1	0	1	5	3	2	0	0	0	0	0	0	2
MOUNT WASHINGTON	0	0	1	1	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0
NAHANT	0	18	37	36	15	21	1	1	0	49	24	25	0	0	0	0	0	0	-12
NANTUCKET	72	52	78	74	44	30	4	4	0	52	27	25	0	0	0	0	0	0	26
NATICK	637	343	367	353	185	168	14	7	7	246	109	137	1	1	0	1	1	0	121
NEEDHAM	0	235	284	274	147	127	10	3	7	229	104	125	2	2	0	2	2	0	55
NEW ASHFORD	0	1	3	2	2	0	1	1	0	1	1	0	0	0	0	0	0	0	2

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

	OCCURRENCE		RESIDENT BIRTHS							RESIDENT DEATHS									RESIDENT NATURAL INCREASE
			BIRTH	---MATURE---			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			
CITY / TOWN	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
NEW BEDFORD	2071	1297	1534	1423	734	689	111	52	59	1118	552	566	22	12	10	20	10	10	416
NEW BRAINTREE	0	1	16	16	6	10	0	0	0	5	4	1	0	0	0	0	0	0	11
NEW MARLBOROUGH	0	0	11	10	7	3	1	1	0	7	4	3	2	1	1	2	1	1	4
NEW SALEM	0	4	6	6	5	1	0	0	0	4	4	0	0	0	0	0	0	0	2
NEWBURY	1	4	64	63	31	32	1	0	1	32	14	18	0	0	0	0	0	0	32
NEWBURYPORT	749	243	199	189	91	98	10	6	4	157	74	83	4	3	1	3	2	1	42
NEWTON	1629	738	833	786	423	363	47	29	18	753	327	426	4	2	2	3	2	1	80
NORFOLK	2	105	90	85	38	47	5	1	4	34	20	14	1	0	1	1	0	1	56
NORTH ADAMS	450	322	215	207	109	98	8	3	5	200	103	97	2	1	1	2	1	1	15
NORTH ANDOVER	0	66	174	165	80	85	9	7	2	162	73	89	1	1	0	1	1	0	12
NO.ATTLEBOROUGH	0	54	304	283	139	144	21	10	11	172	80	92	2	1	1	1	0	1	132
NORTH BROOKFIELD	1	9	67	64	36	28	3	2	1	34	19	15	1	0	1	0	0	0	33
NORTH READING	0	39	130	121	61	60	9	3	6	64	41	23	1	0	1	1	0	1	66
NORTHAMPTON	1149	551	315	299	154	145	16	6	10	285	141	144	0	0	0	0	0	0	30
NORTHBOROUGH	1	25	126	120	60	60	6	4	2	60	33	27	2	1	1	1	1	0	66
NORTHBRIDGE	2	93	173	161	93	68	12	6	6	100	42	58	1	1	0	1	1	0	73
NORTHFIELD	0	2	28	27	10	17	1	0	1	19	11	8	0	0	0	0	0	0	9
NORTON	0	31	194	185	109	76	9	4	5	74	42	32	1	0	1	0	0	0	120
NORWELL	1	43	110	102	63	39	8	5	3	68	32	36	2	2	0	2	2	0	42
NORWOOD	958	574	341	327	176	151	14	5	9	285	142	143	1	0	1	1	0	1	56
OAK BLUFFS	114	72	31	30	14	16	1	1	0	25	12	13	1	1	0	0	0	0	6
OAKHAM	0	0	19	17	10	7	2	2	0	7	6	1	0	0	0	0	0	0	12
ORANGE	2	18	103	93	54	39	10	7	3	85	50	35	1	0	1	1	0	1	18
ORLEANS	0	29	48	47	29	18	1	0	1	83	31	52	0	0	0	0	0	0	-35
OTIS	0	0	16	14	9	5	2	2	0	11	8	3	2	2	0	2	2	0	5

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

CITY / TOWN	OCCURRENCE		RESIDENT BIRTHS							RESIDENT DEATHS									RESIDENT NATURAL INCREASE
			BIRTH	---MATURE---			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
OXFORD	1	18	148	138	83	55	10	3	7	77	39	38	0	0	0	0	0	0	71
PALMER	2	111	170	154	81	73	16	6	10	119	62	57	1	0	1	1	0	1	51
PAXTON	0	4	29	27	15	12	2	1	1	36	22	14	2	1	1	2	1	1	-7
PEABODY	1	232	541	502	229	273	39	19	20	391	217	174	6	4	2	5	3	2	150
PELHAM	0	1	6	6	4	2	0	0	0	6	2	4	0	0	0	0	0	0	0
PEMBROKE	2	20	208	198	97	101	10	3	7	80	40	40	1	0	1	0	0	0	128
PEPPERELL	2	10	151	147	90	57	4	2	2	51	25	26	2	1	1	0	0	0	100
PERU	1	0	16	15	7	8	1	1	0	2	2	0	0	0	0	0	0	0	14
PETERSHAM	0	0	12	12	9	3	0	0	0	2	2	0	0	0	0	0	0	0	10
PHILLIPSTON	0	3	21	19	7	12	2	2	0	6	6	0	0	0	0	0	0	0	15
PITTSFIELD	1458	737	669	637	321	316	32	12	20	533	269	264	5	3	2	4	3	1	136
PLAINFIELD	1	0	7	7	1	6	0	0	0	1	1	0	0	0	0	0	0	0	6
PLAINVILLE	0	19	71	67	31	36	4	2	2	60	35	25	0	0	0	0	0	0	11
PLYMOUTH	774	455	588	548	278	270	40	16	24	325	162	163	5	4	1	2	2	0	263
PLYMPTON	1	1	31	29	17	12	2	1	1	7	4	3	0	0	0	0	0	0	24
PRINCETON	0	0	46	42	17	25	4	1	3	9	5	4	0	0	0	0	0	0	37
PROVINCETOWN	1	29	38	36	16	20	2	1	1	47	26	21	0	0	0	0	0	0	-9
QUINCY	802	831	993	956	474	482	37	20	17	996	518	478	10	8	2	6	5	1	-3
RANDOLPH	3	66	299	282	157	125	17	10	7	249	141	108	2	2	0	2	2	0	50
RAYNHAM	0	16	112	108	50	58	4	3	1	60	31	29	1	1	0	1	1	0	52
READING	0	17	248	242	122	120	6	3	3	161	81	80	1	0	1	1	0	1	87
REHOBOTH	0	13	92	90	46	44	2	0	2	50	22	28	0	0	0	0	0	0	42
REVERE	0	126	484	454	252	202	30	14	16	453	217	236	2	2	0	2	2	0	31
RICHMOND	0	4	15	15	10	5	0	0	0	10	5	5	0	0	0	0	0	0	5
ROCHESTER	1	0	45	43	22	21	2	1	1	11	6	5	0	0	0	0	0	0	34

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

CITY / TOWN	OCCURRENCE		RESIDENT BIRTHS							RESIDENT DEATHS									RESIDENT NATURAL INCREASE
			BIRTH	MATURE			IMMATURE			ALL DEATHS			INFANT			NEONATAL			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
ROCKLAND	0	102	271	260	142	118	11	5	6	143	68	75	4	1	3	3	1	2	128
ROCKPORT	1	38	87	81	37	44	6	5	1	97	40	57	2	2	0	2	2	0	-10
ROWE	0	0	4	4	2	2	0	0	0	2	1	1	0	0	0	0	0	0	2
ROWLEY	1	5	82	78	35	43	4	3	1	26	11	15	2	2	0	1	1	0	56
ROYALSTON	1	2	12	11	5	6	1	1	0	8	7	1	0	0	0	0	0	0	4
RUSSELL	0	2	41	38	20	18	3	1	2	11	8	3	1	1	0	1	1	0	30
RUTLAND	2	7	60	58	31	27	2	1	1	27	16	11	0	0	0	0	0	0	33
SALEM	1189	640	495	470	231	239	25	12	13	419	215	204	8	4	4	5	3	2	76
SALISBURY	0	16	86	79	49	30	7	4	3	51	29	22	2	2	0	2	2	0	35
SANDISFIELD	0	9	1	1	1	0	0	0	0	12	6	6	0	0	0	0	0	0	-11
SANDWICH	0	15	130	125	76	49	5	4	1	82	46	36	0	0	0	0	0	0	48
SAUGUS	1	67	310	296	154	142	14	5	9	195	103	92	3	1	2	3	1	2	115
SAVOY	0	0	5	5	5	0	0	0	0	6	2	4	1	0	1	1	0	1	-1
SCITUATE	2	59	209	200	90	110	9	3	6	139	62	77	0	0	0	0	0	0	70
SEEKONK	1	17	129	122	60	62	7	4	3	92	52	40	0	0	0	0	0	0	37
SHARON	1	32	187	179	89	90	8	5	3	70	41	29	2	2	0	0	0	0	117
SHEFFIELD	1	5	40	37	14	23	3	2	1	23	13	10	0	0	0	0	0	0	17
SHELBURNE	1	19	32	28	12	16	4	1	3	21	15	6	0	0	0	0	0	0	11
SHERBORN	1	5	41	39	17	22	2	0	2	18	10	8	1	0	1	1	0	1	23
SHIRLEY	2	5	76	73	36	37	3	3	0	29	16	13	0	0	0	0	0	0	47
SHREWSBURY	1	47	263	249	134	115	14	5	9	185	95	90	1	1	0	0	0	0	78
SHUTESBURY	1	0	13	13	7	6	0	0	0	4	2	2	0	0	0	0	0	0	9
SOMERSET	0	44	136	130	76	54	6	4	2	161	81	80	1	1	0	0	0	0	-25
SOMERVILLE	12	460	994	948	488	460	46	26	20	783	407	376	3	3	0	3	3	0	211
SOUTH HADLEY	0	25	148	141	64	77	7	5	2	141	81	60	4	3	1	2	1	1	7

TABLE A-5A

BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

CITY / TOWN	OCCURRENCE		RESIDENT BIRTHS							RESIDENT DEATHS									RESIDENT NATURAL INCREASE
			BIRTH	---MATURE---			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
SOUTHAMPTON	0	0	57	55	26	29	2	2	0	15	10	5	0	0	0	0	0	0	42
SOUTHBOROUGH	1	5	82	76	41	35	6	3	3	35	16	19	1	1	0	1	1	0	47
SOUTHBRIDGE	516	312	235	221	115	106	14	5	9	227	119	108	3	3	0	3	3	0	8
SOUTHWICK	0	9	99	93	55	38	6	2	4	44	23	21	0	0	0	0	0	0	55
SPENCER	0	15	177	172	83	89	5	2	3	87	42	45	1	1	0	1	1	0	90
SPRINGFIELD	5504	2401	2469	2269	1213	1056	200	96	104	1571	761	810	37	22	15	31	18	13	898
STERLING	1	5	78	73	37	36	5	3	2	34	11	23	2	1	1	1	0	1	44
STOCKBRIDGE	2	9	21	19	9	10	2	0	2	28	11	17	0	0	0	0	0	0	-7
STONEHAM	1024	302	293	281	145	136	12	6	6	183	99	84	2	2	0	2	2	0	110
STOUGHTON	2166	505	325	302	162	140	23	11	12	217	104	113	6	2	4	5	2	3	108
STOW	1	3	75	69	31	38	6	3	3	25	11	14	0	0	0	0	0	0	50
STURBRIDGE	0	7	71	69	36	33	2	1	1	37	19	18	0	0	0	0	0	0	34
SUDBURY	0	14	122	111	49	62	11	4	7	63	37	26	1	0	1	0	0	0	59
SUNDERLAND	0	14	36	33	19	14	3	1	2	12	7	5	0	0	0	0	0	0	24
SUTTON	0	8	76	70	26	44	6	4	2	35	15	20	0	0	0	0	0	0	41
SWAMPSCOTT	0	46	124	121	59	62	3	1	2	156	73	83	0	0	0	0	0	0	-32
SWANSEA	0	38	151	147	72	75	4	3	1	127	62	65	0	0	0	0	0	0	24
TAUNTON	720	417	699	652	356	296	47	21	26	417	221	196	6	3	3	4	2	2	282
TEMPLETON	0	15	73	69	29	40	4	2	2	48	26	22	1	1	0	1	1	0	25
TEWKSBURY	1	217	328	317	177	140	11	6	5	135	78	57	2	2	0	2	2	0	193
TISBURY	0	5	40	37	16	21	3	2	1	37	15	22	0	0	0	0	0	0	3
TOLLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOPSFIELD	0	4	47	43	20	23	4	3	1	28	13	15	0	0	0	0	0	0	19
TOWNSEND	1	10	159	152	78	74	7	6	1	40	23	17	2	2	0	2	2	0	119
TRURO	0	9	20	20	9	11	0	0	0	22	15	7	0	0	0	0	0	0	-2

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

CITY / TOWN	OCCURRENCE		RESIDENT BIRTHS							RESIDENT DEATHS									RESIDENT NATURAL INCREASE
			BIRTH	MATURE			IMMATURE			ALL DEATHS			INFANT			NEONATAL			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
TYNGSBOROUGH	0	7	103	97	56	41	6	3	3	35	21	14	0	0	0	0	0	0	68
TYRINGHAM	0	2	5	5	2	3	0	0	0	1	1	0	0	0	0	0	0	0	4
UPTON	0	6	50	44	27	17	6	1	5	34	17	17	1	0	1	1	0	1	16
UXBRIDGE	2	17	136	126	65	61	10	3	7	85	48	37	1	1	0	0	0	0	51
WAKEFIELD	1	71	377	354	185	169	23	13	10	247	132	115	8	4	4	6	4	2	130
WALES	0	0	11	10	5	5	1	0	1	5	2	3	0	0	0	0	0	0	6
WALPOLE	2	25	226	215	111	104	11	3	8	117	56	61	0	0	0	0	0	0	109
WALTHAM	872	522	641	601	316	285	40	21	19	450	216	234	5	4	1	4	4	0	191
WARE	316	112	123	115	48	67	8	5	3	84	43	41	0	0	0	0	0	0	39
WAREHAM	266	231	233	224	110	114	9	6	3	170	102	68	3	2	1	3	2	1	63
WARREN	0	4	49	47	27	20	2	0	2	36	20	16	0	0	0	0	0	0	13
WARWICK	0	0	11	10	7	3	1	0	1	2	1	1	0	0	0	0	0	0	9
WASHINGTON	0	4	7	7	3	4	0	0	0	6	3	3	0	0	0	0	0	0	1
WATERTOWN	5	92	381	371	198	173	10	4	6	338	144	194	1	1	0	0	0	0	43
WAYLAND	0	41	134	130	68	62	4	4	0	74	29	45	0	0	0	0	0	0	60
WEBSTER	2	181	201	189	94	95	12	7	5	154	75	79	3	0	3	3	0	3	47
WELLESLEY	6	92	237	227	116	111	10	8	2	190	88	102	4	4	0	4	4	0	47
WELLFLEET	3	8	37	36	18	18	1	1	0	28	16	12	0	0	0	0	0	0	9
WENDELL	2	0	12	10	6	4	2	0	2	3	1	2	1	0	1	1	0	1	9
WENHAM	0	6	37	37	14	23	0	0	0	20	10	10	0	0	0	0	0	0	17
WEST BOYLSTON	0	27	65	64	43	21	1	1	0	57	21	36	0	0	0	0	0	0	8
WEST BRIDGEWATER	1	9	85	79	34	45	6	4	2	39	21	18	0	0	0	0	0	0	46
WEST BROOKFIELD	0	42	45	45	23	22	0	0	0	28	16	12	0	0	0	0	0	0	17
WEST NEWBURY	2	0	33	31	18	13	2	1	1	14	5	9	1	0	1	1	0	1	19
WEST SPRINGFIELD	1	75	360	339	176	163	21	13	8	273	128	145	1	0	1	1	0	1	87

TABLE A-5A

BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

	OCCURRENCE		RESIDENT BIRTHS							RESIDENT DEATHS									RESIDENT NATURAL INCREASE
			BIRTH	MATURE			IMMATURE			ALL DEATHS			INFANT			NEONATAL			
CITY / TOWN	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
WEST STOCKBRIDGE	0	1	10	9	3	6	1	1	0	10	7	3	0	0	0	0	0	0	0
WEST TISBURY	1	2	24	19	11	8	5	2	3	5	3	2	0	0	0	0	0	0	19
WESTBOROUGH	0	32	158	145	79	66	13	6	7	85	37	48	1	0	1	1	0	1	73
WESTFIELD	2	403	498	467	239	228	31	15	16	307	161	146	4	3	1	4	3	1	191
WESTFORD	2	10	183	179	86	93	4	1	3	57	25	32	0	0	0	0	0	0	126
WESTHAMPTON	1	1	11	10	8	2	1	1	0	4	2	2	0	0	0	0	0	0	7
WESTMINSTER	0	8	71	69	33	36	2	1	1	24	12	12	0	0	0	0	0	0	47
WESTON	2	36	68	67	31	36	1	1	0	65	31	34	0	0	0	0	0	0	3
WESTPORT	3	24	151	143	69	74	8	6	2	108	59	49	1	1	0	0	0	0	43
WESTWOOD	1	15	129	126	62	64	3	0	3	106	53	53	0	0	0	0	0	0	23
WEYMOUTH	2025	795	673	634	315	319	39	20	19	511	257	254	2	1	1	2	1	1	162
WHATELY	1	1	10	9	4	5	1	0	1	6	4	2	0	0	0	0	0	0	4
WHITMAN	0	28	232	212	112	100	20	7	13	102	59	43	4	1	3	2	1	1	130
WILBRAHAM	1	10	110	107	49	58	3	3	0	70	39	31	1	0	1	0	0	0	40
WILLIAMSBURG	0	0	37	32	11	21	5	2	3	12	5	7	1	1	0	0	0	0	25
WILLIAMSTOWN	1	51	63	59	31	28	4	1	3	61	30	31	1	0	1	0	0	0	2
WILMINGTON	0	43	223	217	111	106	6	2	4	117	63	54	3	0	3	3	0	3	106
WINCHENDON	0	25	143	134	68	66	9	5	4	71	33	38	0	0	0	0	0	0	72
WINCHESTER	1607	313	189	181	87	94	8	5	3	194	82	112	0	0	0	0	0	0	-5
WINDSOR	0	0	12	12	7	5	0	0	0	6	3	3	0	0	0	0	0	0	6
WINTHROP	0	237	193	185	81	104	8	5	3	247	118	129	2	2	0	1	1	0	-54
WOBURN	3	279	531	502	257	245	29	17	12	308	153	155	2	1	1	2	1	1	223
WORCESTER	5318	3109	2320	2137	1113	1024	183	86	97	1859	879	980	26	12	14	19	8	11	461
WORTHINGTON	0	0	28	26	16	10	2	2	0	7	6	1	0	0	0	0	0	0	21
WRENTHAM	0	20	110	102	49	53	8	1	7	47	23	24	3	0	3	3	0	3	63
YARMOUTH	2	75	189	188	92	96	1	1	0	241	132	109	0	0	0	0	0	0	-52
TOTALS	77441	53626	75749	71244	36634	34610	4505	2179	2325	52868	26395	26472	764	438	325	573	333	239	22881

TABLE A-5B
BIRTHS AND DEATHS BY COUNTY OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

COUNTY	OCCURRENCE		RESIDENT BIRTHS							RESIDENT DEATHS									RESIDENT NATURAL INCREASE
			BIRTH	---MATURE---			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
BARNSTABLE	1589	1777	1873	1811	928	883	62	35	27	1874	961	913	14	9	5	8	5	3	-1
BERKSHIRE	2014	1515	1749	1660	863	797	89	38	51	1450	724	726	22	12	10	20	12	8	299
BRISTOL	5795	4185	6474	6096	3121	2975	378	170	208	4536	2299	2237	61	35	26	44	23	21	1938
DUKES	118	89	166	151	79	72	15	9	6	98	41	57	1	1	0	0	0	0	68
ESSEX	8453	5870	8749	8245	4148	4097	504	247	256	6090	3049	3040	93	62	30	70	45	24	2659
FRANKLIN	883	479	845	794	426	368	51	20	31	583	326	257	6	2	4	5	2	3	262
HAMPDEN	6765	4573	6206	5776	2974	2802	430	211	219	4274	2148	2126	70	38	32	54	30	24	1932
HAMPSHIRE	1473	818	1481	1402	708	694	79	38	41	975	519	456	13	8	5	7	5	2	506
MIDDLESEX	16252	10843	16936	16027	8264	7763	909	478	431	11536	5637	5899	136	76	60	105	62	43	5400
NANTUCKET	72	52	78	74	44	30	4	4	0	52	27	25	0	0	0	0	0	0	26
NORFOLK	5985	4395	6834	6501	3316	3185	333	159	174	5463	2688	2775	69	39	30	58	32	26	1371
PLYMOUTH	2303	3022	6076	5745	2946	2799	331	148	183	3312	1684	1628	56	25	31	41	20	21	2764
SUFFOLK	17181	10090	9441	8657	4457	4200	784	371	413	6738	3382	3356	141	91	50	103	69	34	2703
WORCESTER	8558	5909	8841	8305	4360	3945	536	251	285	5887	2910	2977	82	40	42	58	28	30	2954
STATE TOTAL	77441	53626	75749	71244	36634	34610	4505	2179	2325	52868	26395	26472	764	438	325	573	333	239	22881

TABLE A-5C
BIRTHS AND DEATHS BY HSA OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

			RESIDENT BIRTHS							RESIDENT DEATHS									RESIDENT NATURAL INCREASE
	OCCURRENCE		BIRTH	---MATURE---			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			
H S A	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
I WESTERN MASS	11137	7536	10459	9794	5049	4745	665	314	351	7414	3790	3624	112	61	51	87	50	37	3045
II CENTRAL MASS	8561	5973	9651	9091	4776	4315	560	264	296	6102	3036	3066	100	52	48	72	37	35	3549
III MERRIMACK	6483	4202	7304	6896	3511	3385	408	205	202	4261	2171	2089	77	53	23	52	35	16	3043
IV METRO CENTRAL	17195	10280	9934	9133	4697	4436	801	381	420	7293	3630	3663	145	93	52	107	71	36	2641
IV METRO NORTHWEST	4684	3846	5097	4827	2483	2344	270	145	125	3790	1824	1966	29	15	14	25	12	13	1307
IV METRO WEST	5138	3342	5357	5083	2632	2451	274	148	126	3736	1716	2020	37	23	14	30	22	8	1621
IV METRO SOUTHWEST	966	906	1943	1849	925	924	94	40	54	1234	603	631	17	7	10	14	4	10	709
IV METRO SOUTH	2835	2577	3458	3285	1690	1595	173	84	89	3056	1522	1534	30	18	12	22	14	8	402
V SOUTH SHORE	12040	9450	14448	13666	7009	6657	782	364	418	9750	4968	4782	133	68	65	95	47	48	4698
VI NORTH SHORE	8402	5514	8098	7620	3862	3758	478	234	244	6232	3135	3097	84	48	36	69	41	28	1866
STATE TOTAL	77441	53626	75749	71244	36634	34610	4505	2179	2325	52868	26395	26472	764	438	325	573	333	239	22881

NATALITY

SECTION B

NATALITY

The number of births to residents of Massachusetts rose 2.5% from 1981 to the 1982 figure of 75,749. This continued a six-year rise from a low of 65,947 births in 1976. Of the births registered in Massachusetts in 1982, 99.2% occurred in hospitals. Fifty-eight hospitals operated maternity units during 1982. The number of births varied from a low of 72 at Nantucket Cottage Hospital to 7,517 births at Brigham and Women's Hospital in Boston. The median number of births per hospital was 1,093, slightly higher than the 1981 median of 1,020. Four of the hospitals continued to account for more than 25% of the births occurring in the state. These were Brigham and Women's Hospital (7,517 births), Beth Israel (3,579), and St. Margaret's (3,290) in Boston; and Bay State Medical Center (5,452) in Springfield. The range of births delivered in Massachusetts hospitals included:

NUMBER OF BIRTHS AT HOSPITAL	NUMBER OF HOSPITALS IN CATEGORY	TOTAL NUMBER OF BIRTHS IN CATEGORY	% OF TOTAL BIRTHS
<500	10	2,800	3.6
500-999	14	9,719	12.7
1000-1499	19	23,450	30.5
1500-1999	7	12,248	16.0
≥2000	8	28,570	37.2
	58	76,787	100.0

Although there appears to be a growing interest in home births, such births accounted for only 484 births during 1982. It is true that the actual number of home births exceeds this reported figure as there exists a higher possibility of delays in registration for these births. Registration may not occur until the first occasion when the child needs a birth certificate for purposes such as school entrance. During the past year, we have tracked the late returns of home births and have found that delayed registrations of home births increases the proportion of these births by approximately 20%. Even with this increased number, home births remain at less than 1% of total births.

The 1,079 births reported by Beverly Hospital included those births delivered at the birthing center connected with the hospital. In the future, these births will be reported separately. One hundred thirteen births occurred at the Pittsfield Birthing Center.

Almost 89% of the births to Massachusetts residents were white. This percentage is somewhat smaller than the percentage in the total population of 93.6%. There has been an increasing problem with the response rate to the race item on the birth record. The 1982 non-response rate to this item is 2.5%. We have no indication as to the racial breakdown of the non-respondents. It should be noted, however, that more than half of the non-respondents were at one hospital. Concentrated efforts during the past year have been made to limit this reporting problem for future years.

Births to teenage mothers account for slightly less than 10% of total births. Although this represents a continuing decline in the actual number of births and percentage of the total births (Table B-5), the population decline in this age group has resulted in an increase of the age-specific birth rate to 29.7 per 1,000 population of female teenagers. For the third continuous year, there has been a steady decline in the age-specific rate for women aged 20-24. The 1982 rate of 70.6 per 1,000 is almost one-half of the 1970 rate for this age group of 136.9. Slight increases have continued for women in the 25-29, 30-34, and 35-39 age groups. The overall fertility rate increased by almost 1 per 1,000 since 1981. Although the Massachusetts rate of 54.8 remained well below the U.S. rate of 67.8, the state's rate of increase was above that of the nation as a whole (Table B-2).

The proportion of unmarried mothers continued to rise to a 1982 figure of 16.5% of total births. Sixty-two percent of teenage mothers were unwed. The information from the birth certificate, however, in no way reflects the living situation of the mothers. The question only asks "Is mother married?" Only legal marriages are counted and may significantly undercount mothers involved in types of permanent relationships that do not encompass a legal marriage.

Numeric increase in births from 1981 to 1982 was 1,818. The actual numeric increases were distributed as follows:

AGE OF MOTHER	DIFFERENCE	% CHANGE
<19	-68	-0.9
20-24	-513	-2.4
25-29	+928	+3.7
30-34	+724	+4.7
35-39	+696	+18.1
40-44	+11	+2.2
>44	+1	+4.8

Overall, the percentage of first-born declined slightly to 44.7% from 45.4% in 1981. The percentage of first-born children to women age 35-39 increased slightly from 18.3% to 19.4%.

Birth by cesarean section has been of increasing interest in Massachusetts. Table B-6 presents figures for cesarean births for Massachusetts residents in 1982. Cesareans accounted for 19.4% (14,679) of the total number of births.

However, when the proportion of cesareans within mother's age group is considered, mothers 40 years of age and over have a much higher proportion of cesarean births, mothers 30 to 34 have a somewhat higher proportion of cesareans than the total, mothers 25 to 29 have a proportion close to the average and mothers in age groups less than 25 have a lower proportion of cesarean births. More information on this issue may be obtained from Cesarean Births in Massachusetts, published in October, 1984, by the Division of Health Statistics and Research, Massachusetts Department of Public Health.

Over half of the babies born to residents weighed 3001 to 4000 grams (6.5 to 8.75 pounds) as shown in Table B-7. A nearly "normal" distribution of birthweight by sex is shown in Figure B-5 with the average weight for males being somewhat higher than for females by approximately 400 grams. The percentage of births of immature weight (less than 2500 grams or five pounds eight ounces) decreased slightly to 5.9% or 4,447 of babies in 1982 from 6.1% in 1981. Unmarried mothers, while accounting for 16.5% of total births, delivered 28.4% of all babies of immature weight. Teenage mothers overall gave birth to a higher than average percentage of babies of immature weight. Of all births to teenage mothers, 8.2% were of immature weight.

The relationship between education of parents and the birthweight of their infants is graphically illustrated in Figures B-6 and B-7. The "dips" at the ends of both graphs are accounted for by the small numbers for these data points. A more complete presentation of these figures in Table B-8 illustrates that as the education of the mother increases, the birthweight generally increases proportionally. It is unclear, however, whether this is a factor of education or age of the mother due to the disproportionate number of immature weight babies born to teenage mothers.

TABLE B-1
RESIDENT BIRTHS BY SEX AND RACE
1982

	MALE	FEMALE	TOTAL
RACE	n %	n %	n %
WHITE	34,356	32,720	67,077*
	45.4	43.2	88.6
BLACK	2,678	2,577	5,255
	3.5	3.4	6.9
OTHER	907	797	1,704
	1.2	1.1	2.2
UNKNOWN	872	841	1,713
	1.2	1.1	2.3
TOTAL	38,813	36,935	75,749*
	51.3	48.8	100.0

*TOTAL REFLECTS ONE BIRTH OF UNDETERMINED SEX.

FIGURE B-1

MASSACHUSETTS RESIDENT BIRTHS BY RACE OF INFANT

1970 TO 1982

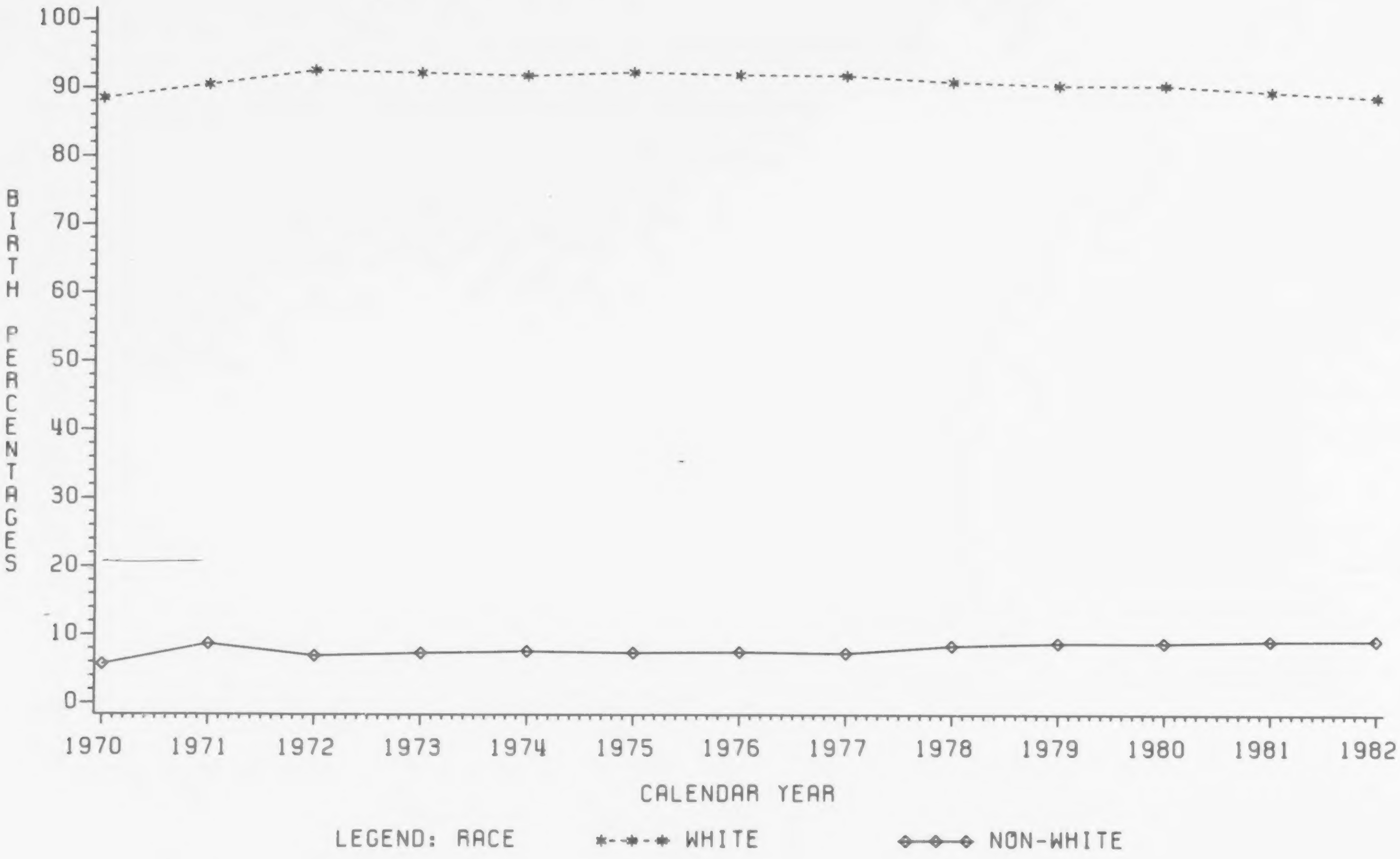


FIGURE B-2

1982 RESIDENT LIVE BIRTHS BY RACE

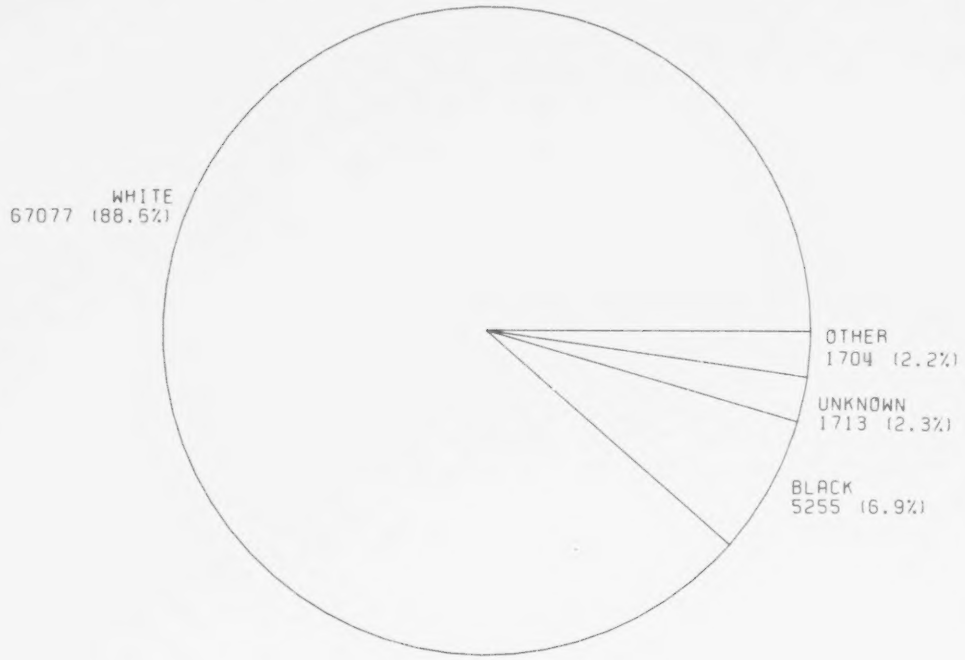


FIGURE B-3

1982 RESIDENT LIVE BIRTHS BY AGE OF MOTHER

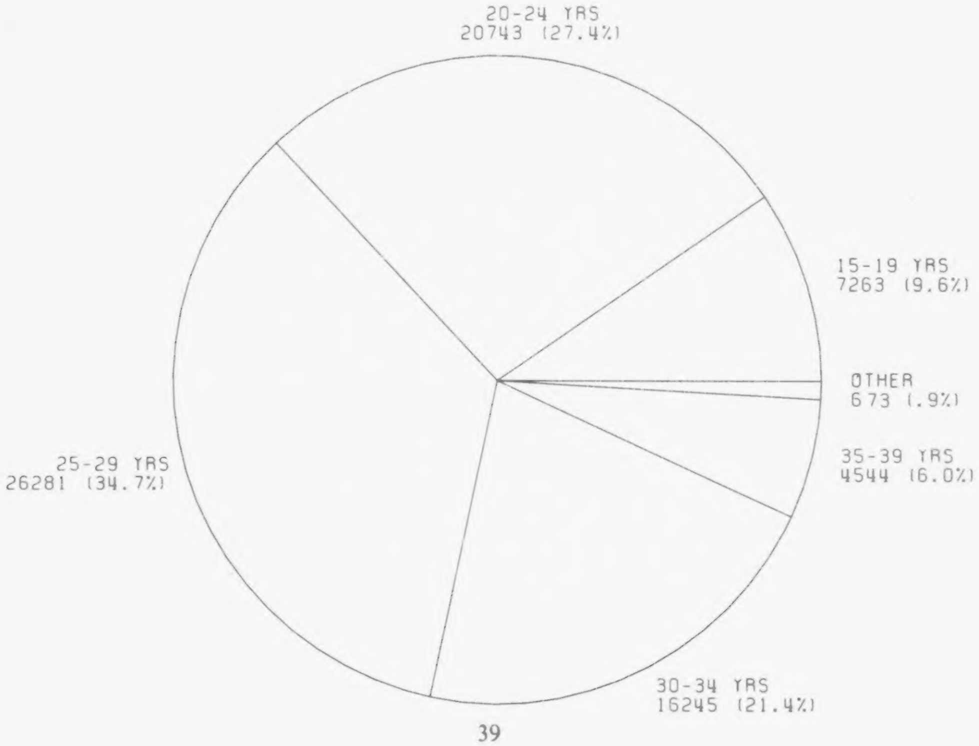


TABLE B-2
AGE-SPECIFIC BIRTH RATES AMONG MASSACHUSETTS WOMEN
1970-1982

AGE OF MOTHER	- 1970 -		- 1980 -		- 1981 -		- 1982 -	
	Births 1000	Rate	Births 1000	Rate	Births 1000	Rate	Births 1000	Rate
15-19	10,177 259.6	39.1	7,694 273.4	28.1	7,334 258.9	28.3	7,263 244.4	29.7
20-24	33,808 246.9	136.9	21,514 282.2	76.2	21,256 288.0	73.8	20,743 293.8	70.6
25-29	29,184 188.5	154.8	24,959 249.8	99.9	25,353 253.6	100.0	26,281 257.4	102.1
30-34	12,887 150.3	85.7	14,389 228.7	62.9	15,251 238.8	65.0	16,245 248.9	65.3
35-39	5,771 151.2	38.2	3,464 179.0	19.4	3,848 183.5	21.0	4,544 188.0	24.2
40-44	1,591 170.4	9.3	478 143.9	3.3	500 146.5	3.4	511 149.2	3.4
MASSACHUSETTS GENERAL FERTILITY RATE		80.0		53.5		53.9		54.8
UNITED STATES GENERAL FERTILITY RATE		87.9		67.7		67.6		67.8

NOTE: THE NUMERATOR OF THE BIRTHS PER THOUSAND WOMEN REPRESENTS THE NUMBER OF BIRTHS TO WOMEN IN THAT AGE GROUP. THE DENOMINATOR REPRESENTS THE NUMBER (IN THOUSANDS) OF WOMEN IN THAT AGE GROUP. THE 1981 AND 1982 DENOMINATORS ARE ESTIMATED. UNITED STATES FIGURES ARE DATA FROM THE NATIONAL CENTER FOR HEALTH STATISTICS.

FIGURE B-4

MASSACHUSETTS GENERAL FERTILITY RATES

1930 TO 1982

RATES PER THOUSAND

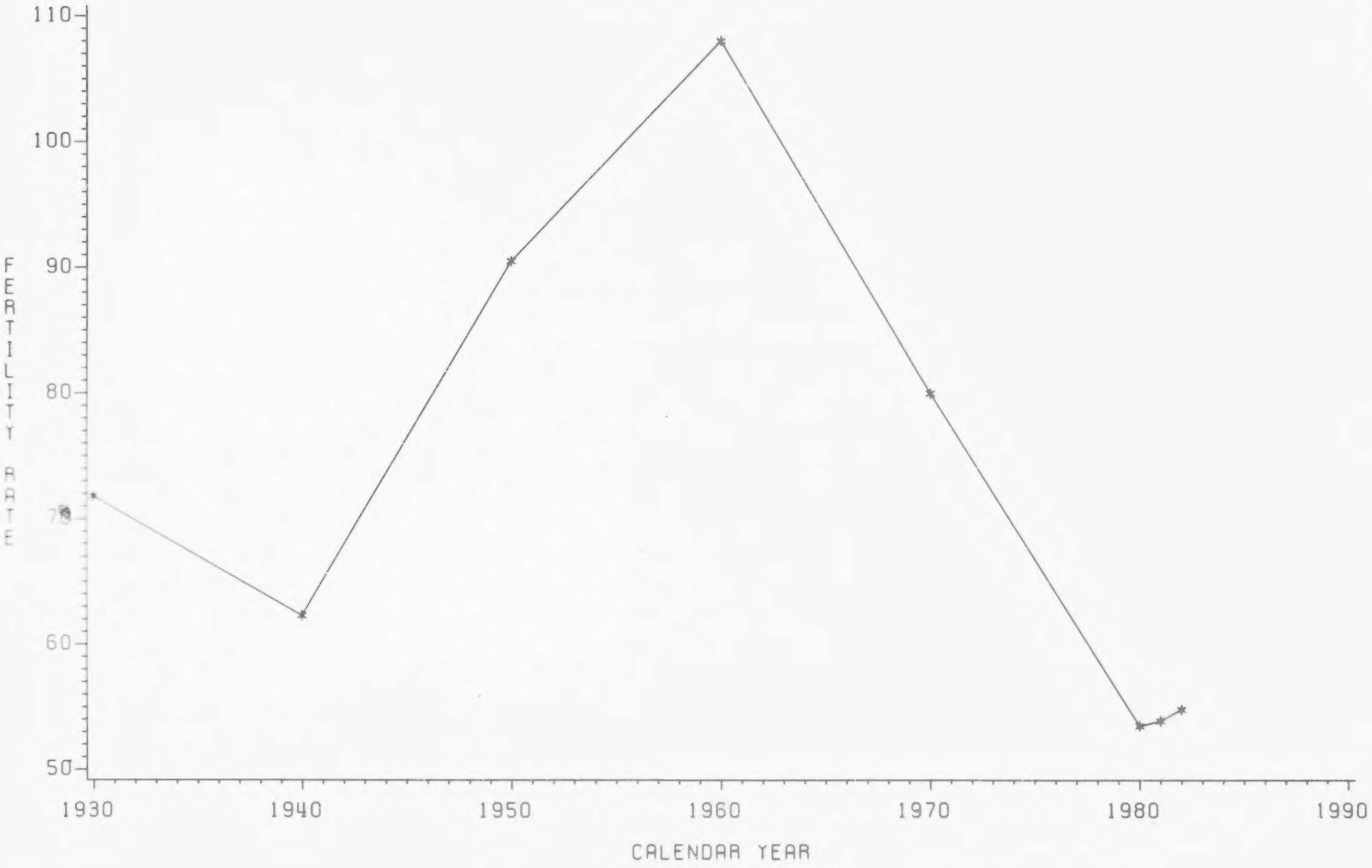


TABLE B-3
RESIDENT BIRTHS BY AGE, RACE AND MARITAL STATUS OF MOTHER
1982

AGE	- TOTAL -			- WHITE -			- NON-WHITE -			- UNKNOWN -		
OF MOTHER	TOTAL	WED	UNWED	TOTAL	WED	UNWED	TOTAL	WED	UNWED	TOTAL	WED	UNWED
UNDER 15	98	7	91	64	6	58	32	0	32	2	1	1
15	299	37	262	223	34	189	68	3	65	8	0	8
16	753	135	618	584	124	460	138	9	129	31	2	29
17	1,328	360	968	1,110	347	763	194	10	184	24	3	21
18	2,161	838	1,322	1,854	792	1,062	259	32	227	48	14	33
19	2,722	1,393	1,329	2,346	1,323	1,023	328	53	275	48	17	31
20-24	20,743	16,144	4,583	18,503	15,087	3,407	1,854	830	1,022	386	227	154
25-29	26,281	24,122	2,135	23,927	22,403	1,518	1,787	1,256	529	567	463	88
30-34	16,245	15,347	884	14,698	14,084	611	1,083	856	227	464	407	46
35-39	4,544	4,265	272	4,055	3,856	194	314	253	61	175	156	17
40-44	511	490	61	456	414	42	70	55	15	25	21	4
OVER 44	21	21	0	16	16	0	5	5	0	0	0	0
UNKNOWN	3	2	1	2	1	1	1	1	0	0	0	0
TOTAL*	75,749	63,161	12,526	67,838	58,487	9,328	6,133	3,363	2,766	1,778	1,311	432

*TOTAL INCLUDES 62 RECORDS OF UNKNOWN MARITAL STATUS.

TABLE B-4
PARITY BY AGE OF MOTHER, RESIDENT BIRTHS
1982

AGE OF MOTHER	1st N %	2nd N %	3rd N %	4th N %	5th N %	6th N %	7th N %	8th N %	9th+ N %	UN-KNOWN N %	TOTAL N %
10-14	93 .3%	1	1	0	0	0	0	0	0	3 .2%	98 .1%
15-19	5,915 17.5%	1,023 4.3%	128 1.2%	17 .5%	3 .3%	3 .6%	0	0	0	174 8.9%	7,263 9.6%
20-24	11,341 33.5%	6,565 27.3%	1,892 18.0%	398 11.7%	96 8.4%	19 4.1%	6 3.3%	2 2.4%	1 1.3%	423 21.8%	20,743 27.4%
25-29	10,972 32.4%	9,320 38.7%	3,850 36.6%	1,072 31.6%	308 26.9%	107 22.8%	29 16.1%	8 9.6%	4 5.1%	611 31.3%	26,281 34.7%
30-34	4,564 13.5%	5,841 24.2%	3,428 32.6%	1,243 36.6%	406 35.4%	161 34.3%	55 30.6%	24 28.9%	12 15.2%	511 26.2%	16,245 21.5%
35-39	880 2.6%	1,254 5.2%	1,116 10.6%	578 17.0%	268 23.4%	133 28.4%	66 36.7%	24 28.9%	33 41.7%	192 9.9%	4,544 6.0%
40-44	66 .2%	79 .3%	109 1.0%	83 2.5%	61 5.3%	44 9.4%	24 13.3%	25 30.2%	25 31.6%	35 1.7%	551 .7%
45+	1	6	1	3 .1%	4 .3%	2 .4%	0	0	4 5.1%	0	21
UNKNOWN AGE	1	2	0	0	0	0	0	0	0	0	3
TOTAL	33,833 44.7%	24,091 31.8%	10,525 13.9%	3,394 4.5%	1,146 1.5%	469 .6%	180 .2%	83 .1%	79 .1%	1,949 2.6%	75,749 100.0%

TABLE B-5
RESIDENT BIRTHS TO TEENAGE MOTHERS
1970-1982

YEAR	TOTAL BIRTHS	- AGE OF MOTHER - 12	13	14	15	16	17	18	19	TOTAL 12-19	PERCENT OF TOTAL BIRTHS
1970	93,582	3	8	70	320	802	1,726	3,043	4,285	10,257	11.0
1971	86,755	3	23	84	313	875	1,738	2,981	4,000	10,017	11.5
1972	76,835	1	20	103	348	955	1,841	2,834	3,690	9,792	12.7
1973	72,237	0	12	93	393	959	1,759	2,584	3,282	9,082	12.6
1974	70,071	2	16	79	333	895	1,762	2,524	3,181	8,792	12.5
1975	68,070	2	18	84	325	915	1,678	2,560	3,085	8,667	12.7
1976	65,947	7	12	96	336	807	1,478	2,332	2,923	7,991	12.1
1977	67,838	1	18	68	270	792	1,477	2,293	2,913	7,832	11.5
1978	68,526	3	15	67	303	737	1,445	2,252	2,979	7,801	11.4
1979	70,568	2	9	70	283	773	1,413	2,306	2,916	7,772	11.0
1980	72,591	1	14	56	300	740	1,360	2,202	3,092	7,765	10.7
1981	73,931	1	12	82	275	722	1,357	2,164	2,816	7,429	10.0
1982	75,749	1	14	83	299	753	1,328	2,161	2,722	7,361	9.7

TABLE B-6
NUMBER OF CESAREAN DELIVERIES COMPARED TO TOTAL BIRTHS, MASSACHUSETTS RESIDENTS
1982

AGE OF MOTHER	- WHITE -			- NON-WHITE -			- UNKNOWN RACE -			- TOTAL -		
	CESAREAN	TOTAL BIRTHS	%	CESAREAN	TOTAL BIRTHS	%	CESAREAN	TOTAL BIRTHS	%	CESAREAN	TOTAL BIRTHS	%
<15	3	64	4.6	4	32	12.5	0	2	--	7	98	7.1
15-19	817	6,117	13.4	123	987	12.5	24	159	15.1	964	7,263	13.3
20-24	3,153	18,503	17	291	1,854	15.7	76	386	19.7	3,520	20,743	17.0
25-29	4,875	23,927	24.4	299	1,787	16.7	158	567	27.9	5,332	26,281	20.3
30-34	3,278	14,698	22.3	214	1,083	19.8	135	464	29.1	3,627	16,245	22.3
35-39	974	4,055	24.0	54	314	17.2	43	175	24.6	1,071	4,544	23.6
40-44	126	456	27.6	16	70	22.9	9	25	36.0	151	551	27.4
>44	5	16	31.2	1	5	20.0	0	0	--	6	21	28.6
UNKNOWN AGE	1	2	50.0	0	1	--	0	0	--	1	3	33.3
TOTAL	13,232	67,838	19.5	1,002	6,133	163	445	1,778	25.0	14,679	75,749	19.4

FIGURE B-5

BIRTHWEIGHT DISTRIBUTION BY SEX

MASSACHUSETTS 1982

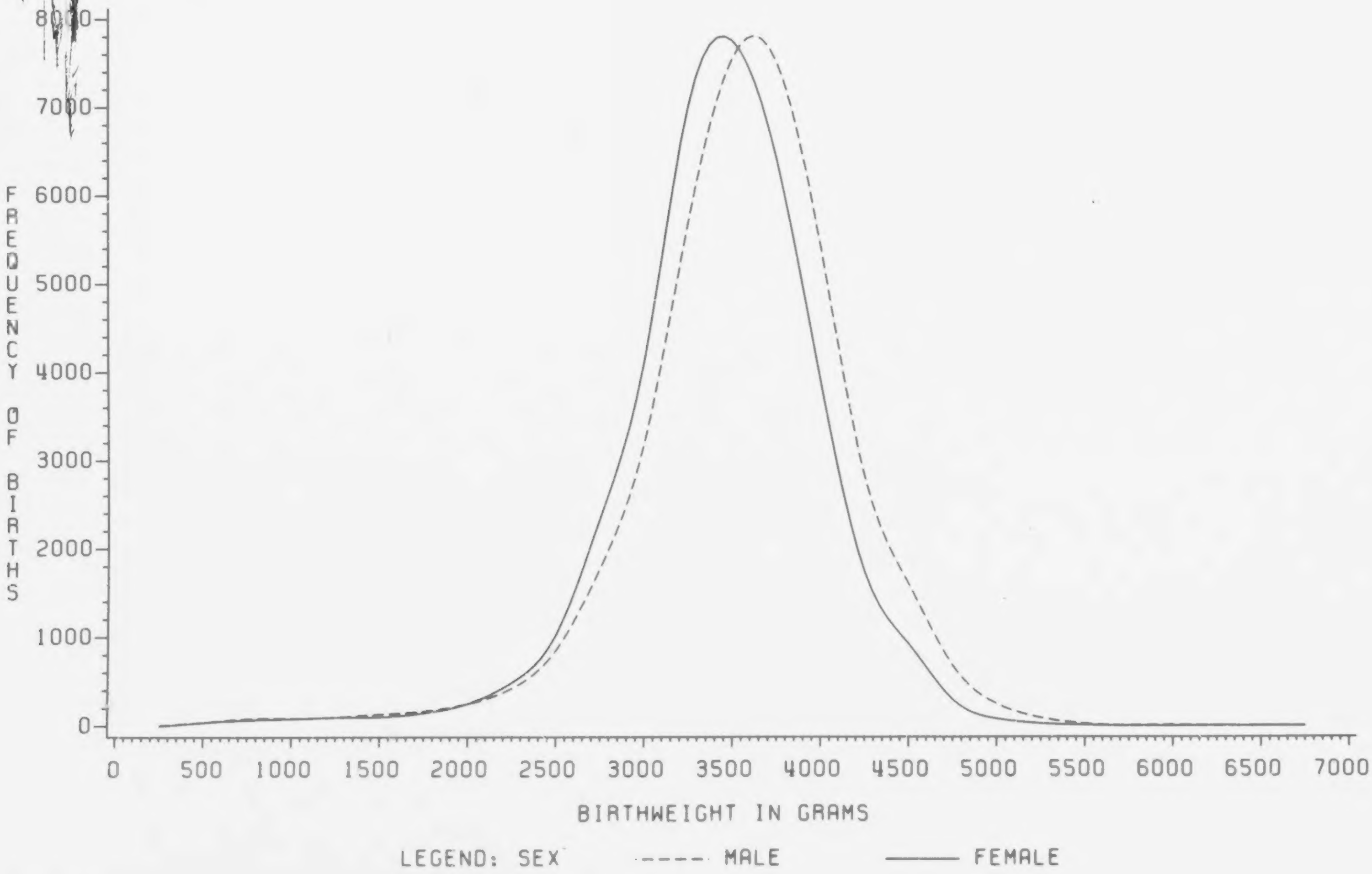


TABLE B-7

RESIDENT BIRTHS BY AGE AND MARITAL STATUS OF MOTHER AND BIRTHWEIGHT OF INFANT IN GRAMS

1982

BIRTH-WEIGHT gms	MARITAL STATUS	<15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-44	≥45	UN-KWN	-TOTAL- n	%
<500	MARRIED	0	0	0	0	0	1	17	23	18	8	0	0	0	67	
	UNMARR.	0	2	1	1	0	1	4	7	3	1	0	0	0	20	
	TOTAL	0	2	1	1	0	2	21	30	21	9	0	0	0	87	0.1
500-999	MARRIED	0	1	2	0	2	5	61	72	55	15	1	0	0	214	
	UNMARR.	1	3	8	11	13	9	36	19	10	0	0	0	0	110	
	TOTAL	1	4	10	11	15	14	97	91	65	15	1	0	0	324	0.4
1000-1499	MARRIED	0	0	2	1	6	13	76	115	80	17	2	0	0	312	
	UNMARR.	0	5	7	13	7	5	30	26	14	3	1	0	0	111	
	TOTAL	0	5	9	14	13	18	106	141	94	20	3	0	0	423	0.6
1500-1999	MARRIED	0	0	3	5	3	13	157	201	145	53	5	0	0	585	
	UNMARR.	5	3	14	18	21	23	68	42	23	7	4	0	0	228	
	TOTAL	5	3	17	23	24	36	225	243	168	60	9	0	0	813	1.1
2000-2499	MARRIED	0	0	8	16	24	47	526	717	517	127	18	2	1	2003	
	UNMARR.	3	16	33	75	82	73	293	145	49	18	8	0	0	795	
	UNKNOWN	0	0	0	0	0	0	0	2	0	0	0	0	0	2	
	TOTAL	3	16	41	91	106	120	819	864	566	145	26	2	1	2800	3.7
2500-2999	MARRIED	1	8	24	69	132	225	2399	3290	2013	534	69	5	1	8770	
	UNMARR.	20	62	125	196	294	283	985	452	177	52	9	0	0	2655	
	UNKNOWN	0	0	0	0	0	0	2	3	3	0	0	0	0	8	
	TOTAL	21	70	149	265	426	508	3386	3745	2193	586	78	5	1	11433	15.1
3000-3499	MARRIED	6	17	58	152	343	536	6233	8885	5371	1392	172	7	0	23172	
	UNMARR.	41	96	252	360	551	519	1775	817	293	94	22	0	0	4820	
	UNKNOWN	0	0	0	0	0	0	3	8	3	0	0	0	0	14	
	TOTAL	47	113	310	512	894	1055	8011	9710	5667	1486	194	7	0	28006	37.0
3500-3999	MARRIED	0	10	23	92	262	422	4951	7834	5132	1433	148	5	0	20312	
	UNMARR.	19	58	145	249	274	321	1084	493	217	63	13	0	1	2937	
	UNKNOWN	0	0	0	0	0	0	8	2	4	2	0	0	0	16	
	TOTAL	19	68	168	341	536	743	6043	8329	5353	1498	161	5	1	23265	30.7
4000-4499	MARRIED	0	1	11	18	51	110	1468	2459	1622	550	62	1	0	6353	
	UNMARR.	2	15	31	36	76	79	264	111	76	29	4	0	0	723	
	UNKNOWN	0	0	0	0	0	0	1	2	0	0	0	0	0	3	
	TOTAL	2	16	42	54	127	189	1733	2572	1698	579	66	1	0	7079	9.3
4500-4999	MARRIED	0	0	4	7	12	20	226	456	345	116	11	1	0	1198	
	UNMARR.	0	1	2	7	4	14	35	18	18	4	0	0	0	103	
	TOTAL	0	1	6	14	16	34	261	474	363	120	11	1	0	1301	1.7
≥5000	MARRIED	0	0	0	0	2	1	29	57	37	19	2	0	0	147	
	UNMARR.	0	0	0	0	0	1	4	5	2	1	0	0	0	13	
	TOTAL	0	0	0	0	2	2	33	62	39	20	2	0	0	160	0.2
UNKNOWN	MARRIED	0	0	0	0	1	0	1	13	12	1	0	0	0	28	
	UNMARR.	0	1	0	2	0	1	5	0	2	0	0	0	0	11	
	UNKNOWN	0	0	0	0	1	0	2	7	4	5	0	0	0	19	
	TOTAL	0	1	0	2	2	1	8	20	18	6	0	0	0	58	0.1
TOTAL	N	98	299	753	1328	2161	2722	20743	26281	16245	4544	551	21	3	75749	100.00
	%	0.1	0.4	1.0	1.8	2.9	3.6	27.4	34.7	21.4	6.0	0.7	0.0	0.0		100.00

BIRTHWEIGHTS GREATER THAN 8165 GRAMS ARE DEFINED AS UNKNOWN BIRTHWEIGHT. 1000 GRAMS = 2.2 POUNDS.

FIGURE B-6

BIRTHWEIGHT BY EDUCATION OF MOTHER

MASSACHUSETTS 1982

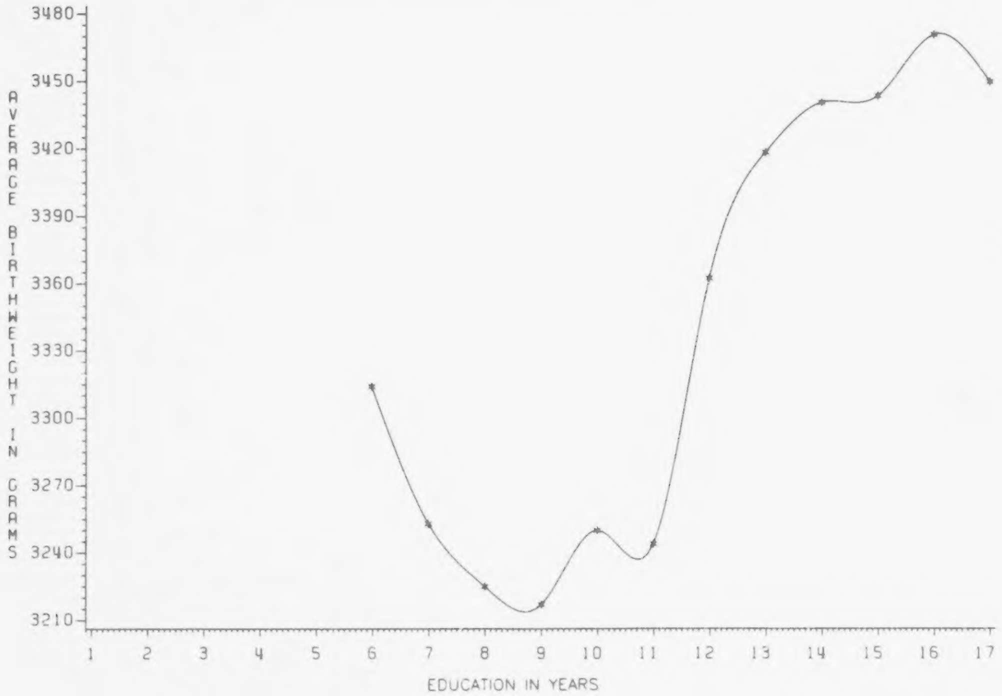


FIGURE B-7

BIRTHWEIGHT BY EDUCATION OF FATHER

MASSACHUSETTS 1982

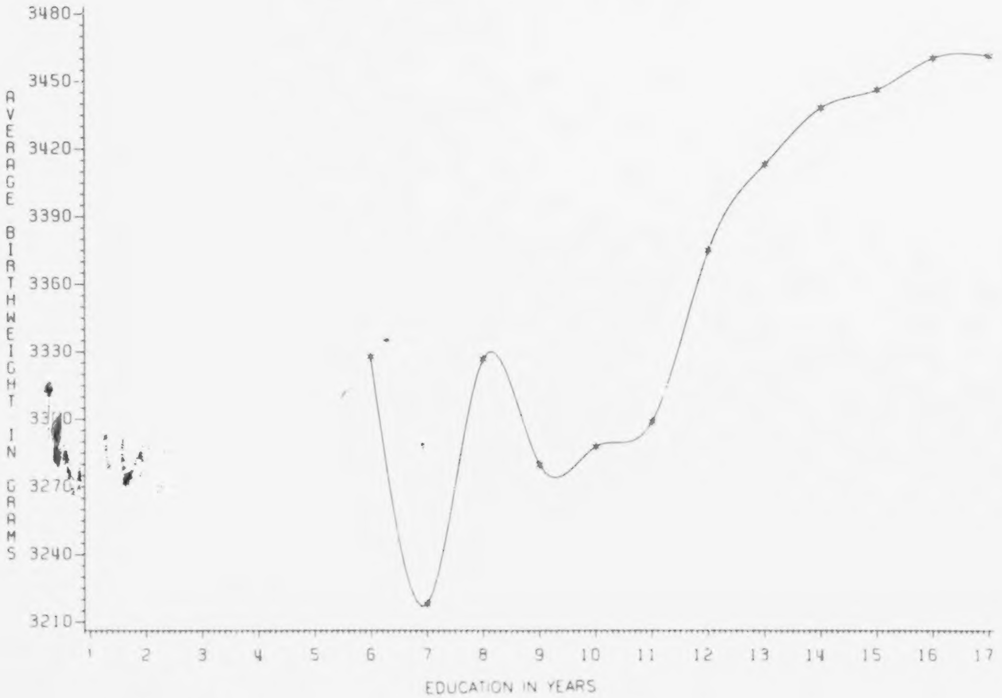


TABLE B-8
BIRTHWEIGHT IN GRAMS BY EDUCATION OF MOTHER, MASSACHUSETTS RESIDENTS
1982

BIRTHWEIGHT		- EDUCATION OF MOTHER -				
		8 YRS OR LESS	9-12 YRS	>12 YRS	UNKNOWN	TOTAL
<500	N	8	40	28	11	87
	%	9.2	46.0	32.2	12.6	100.0
500-999	N	7	200	89	28	324
	%	2.2	61.7	27.5	8.6	100.0
1000-1499	N	13	242	142	26	423
	%	3.1	57.2	33.6	6.1	100.0
1500-1999	N	50	448	272	43	813
	%	6.1	55.1	33.5	5.3	100.0
2000-2499	N	144	1,640	912	104	2,800
	%	5.1	58.6	32.6	3.7	100.0
2500-2999	N	491	6,423	4,074	445	11,433
	%	4.3	56.2	35.6	3.9	100.0
3000-3499	N	1,081	14,347	11,638	940	28,006
	%	3.9	51.2	41.5	3.4	100.0
3500-3999	N	666	10,846	11,087	666	23,265
	%	2.9	46.6	47.6	2.9	100.0
4000-4499	N	173	3,171	3,547	188	7,079
	%	2.4	44.8	50.1	2.7	100.0
4500-4999	N	36	569	664	32	1,301
	%	2.8	43.7	51.0	2.5	100.0
≥5000	N	2	84	64	10	160
	%	1.3	52.5	40.0	6.2	100.0
UNKNOWN	N	0	15	14	29	58
	%	--	25.9	24.1	50.0	100.0
TOTAL	N	2,671	38,025	32,531	2,522	75,749
	%	3.5	50.2	43.0	3.3	100.0

BIRTHWEIGHTS GREATER THAN 8165 GRAMS ARE DEFINED AS UNKNOWN BIRTHWEIGHT. 1000 GRAMS = 2.2 POUNDS.

TABLE B-9
BIRTHS BY HOSPITAL OF OCCURRENCE
1980-1982

HOSPITAL	CITY/TOWN	HSA SUBAREA	1980	1981	1982	%
ADDISON GILBERT	GLOUCESTER	61	372	333	331	.4
ANNA JAQUES	NEWBURYPORT	33	771	666	737	1.0
BAY STATE MEDICAL CTR.	SPRINGFIELD	13	5,254	5,450	5,452	7.0
BERKSHIRE MEDICAL CTR.	PITTSFIELD	11	1,395	1,222	1,344	1.7
BETH ISRAEL	BOSTON	41	3,284	3,376	3,579	4.6
BEVERLY	BEVERLY	61	702	921	1,079	1.4
BON SECOURS	METHUEN	32	1,192	1,315	1,378	1.8
BOSTON CITY	BOSTON	41	1,473	1,477	1,522	2.0
BRIGHAM & WOMEN'S	BOSTON	41	6,416	7,099	7,517	9.7
BROCKTON	BROCKTON	52	1,212	1,184	1,243	1.6
BURBANK*	FITCHBURG	21	886	849	321	.4
CAMBRIDGE CITY	CAMBRIDGE	42	627	570	511	.7
CAPE COD	BARNSTABLE	57	973	961	1,067	1.4
CHARLTON MEMORIAL	FALL RIVER	55	1,979	2,064	1,964	2.5
COOLEY DICKENSON	NORTHAMPTON	12	1,075	1,080	1,142	1.5
EMERSON	CONCORD	42	1,436	1,457	1,481	1.9
FAIRVIEW	GREAT BARRINGTON	11	127	160	100	.1
FALMOUTH	FALMOUTH	57	504	567	498	.6
FRAMINGHAM UNION	FRAMINGHAM	43	1,982	2.078	1,978	2.6
FRANKLIN COUNTY PUBLIC	GREENFIELD	12	836	871	868	1.1
GODDARD MEMORIAL	STOUGHTON	52	2,100	2,202	2,164	2.8
HARRINGTON MEMORIAL	SOUTHBRIDGE	23	511	528	516	.7
HAVERHILL MUNICIPAL	HAVERHILL	33	634	624	587	.8
HENRY HEYWOOD MEMORIAL	GARDNER	21	305	313	335	.4
HUNT MEMORIAL	DANVERS	62	480	500	600	.8
JORDAN	PLYMOUTH	53	683	708	772	1.0

NOTE: DURING 1982, A 6-MONTH NURSES STRIKE RESULTED IN THE REDUCED NUMBER OF BIRTHS AT BURBANK HOSPITAL. MOST OF THE PATIENTS WERE REFERRED TO LEOMINSTER HOSPITAL.

TABLE B-9 (continued)
BIRTHS BY HOSPITAL OF OCCURRENCE
1980-1982

HOSPITAL	CITY/TOWN	HSA SUBAREA	1980	1981	1982	%
LAWRENCE GENERAL	LAWRENCE	32	1,497	1,351	1,263	1.6
LEOMINSTER	LEOMINSTER	21	794	869	1,498	1.9
LEONARD MORSE	NATICK	43	663	622	634	.8
LOWELL GENERAL	LOWELL	31	1,623	1,817	1,841	2.4
LYNN	LYNN	63	1,344	1,289	1,246	1.6
MALDEN	MALDEN	65	1,397	1,370	1,438	1.9
MARTHA'S VINEYARD	OAK BLUFFS	57	119	105	113	.1
MARY LANE	WARE	13	299	312	315	.4
MELROSE-WAKEFIELD	MELROSE	64	1,467	1,375	1,459	1.9
MILFORD-WHITINSVILLE	MILFORD	23	532	456	520	.7
MORTON	TAUNTON	54	785	739	713	.9
MOUNT AUBURN	CAMBRIDGE	42	866	961	1,030	1.3
NANTUCKET COTTAGE	NANTUCKET	57	55	61	72	.1
NEW ENGLAND MEMORIAL	STONEHAM	64	859	1,008	1,023	1.3
NEWTON-WELLESLEY	NEWTON	43	1,520	1,662	1,619	2.1
NORTH ADAMS REGIONAL	NORTH ADAMS	11	354	518	449	.6
NORWOOD	NORWOOD	44	982	884	958	1.2
PROVIDENCE	HOLYOKE	13	1,338	1,286	1,248	1.6
QUINCY CITY	QUINCY	45	935	891	800	1.0
SALEM	SALEM	62	1,143	1,146	1,188	1.5
SOUTH SHORE	WEYMOUTH	45	1,937	1,847	2,023	2.6
ST. ELIZABETH'S	BOSTON	41	1,038	1,032	1,193	1.5
ST. JOSEPH'S	LOWELL	31	839	604	634	.8
ST. LUKE'S	NEW BEDFORD	56	2,005	2,028	2,064	2.7
ST. MARGARET'S	BOSTON	41	3,162	3,253	3,[illegible]90	4.2
ST. VINCENT'S	WORCESTER	22	1,777	1,718	1,719	2.2
STURDY MEMORIAL	ATTLEBORO	51	977	1,032	1,024	1.3
TOBEY	WAREHAM	57	308	237	266	.3
WALTHAM	WALTHAM	43	847	850	869	1.1
WINCHESTER	WINCHESTER	42	1,640	1,585	1,605	2.1

TABLE B-9 (continued)
BIRTHS BY HOSPITAL OF OCCURRENCE
1980-1982

HOSPITAL	CITY/TOWN	HSA SUBAREA	1980	1981	1982	%
WORCESTER HAHNEMANN	WORCESTER	22	1,258	1,129	1,106	1.4
WORCESTER MEMORIAL	WORCESTER	22	2,220	2,379	2,481	3.2
ALL OTHER HOSPITALS			20	18	20	0.0
AT HOME, EN ROUTE, OTHER			442	577	634	.8
TOTAL			74,251	75,546	77,441	100.0
HEALTH SERVICE AREA	HEALTH SERVICE AREA- HOSPITAL BIRTHS					
I WESTERN MASS			10,680	10,899	10,918	14.4
II CENTRAL MASS			8,289	8,244	8,496	11.0
III MERRIMACK			6,556	6,377	6,440	8.4
IV METRO-GREATER BOSTON			28,816	29,605	30,609	39.8
V SOUTH SHORE			11,703	11,889	11,960	15.6
VI NORTH SHORE			7,765	7,942	8,364	10.8
TOTAL			73,809	74,956	76,787	

MORTALITY

SECTION C

MORTALITY

There were 52,868 deaths to Massachusetts residents during 1982, an increase of only 54 deaths from 1981. Overall, 50.2% of deaths were to persons aged 75 or older. These percentages vary quite widely by race and sex as indicated below:

SEX	RACE	% OF DEATHS UNDER AGE 75 IN CATEGORY	% OF DEATHS 75 YEARS OR OLDER IN CATEGORY	TOTAL
MALE	WHITE	59.8%	40.2%	100.0%
	NON-WHITE	77.3%	22.7%	100.0%
	TOTAL	60.4%	39.6%	100.0%
FEMALE	WHITE	38.5%	61.5%	100.0%
	NON-WHITE	61.9%	38.1%	100.0%
	TOTAL	39.2%	60.8%	100.0%
TOTAL	WHITE	49.1%	50.9%	100.0%
	NON-WHITE	70.2%	29.8%	100.0%
	TOTAL	49.8%	50.2%	100.0%

The rank order of the ten leading causes of death did not change in 1982 for Massachusetts. For the United States, however, suicide rose from the 10th leading cause to eighth. The ten leading causes for Massachusetts and the United States were identical in 1982, but the order differs after the top four. Heart disease, the leading cause, accounted for 40% of all Massachusetts deaths followed by cancer with 23.8% of all deaths. Both of these percentages are slightly higher than the U.S. percentages. The U.S. percentages of the ten leading causes are higher or identical in all other causes except pneumonia and influenza.

Cause of death statistics in this report are based on the Ninth Revision of the International Classification of Diseases, World Health Organization (ICD-9). The methodology for coding cause of death from death certificates is extremely consistent nationally, using the Automated Classification of Medical Entities (ACME), developed by the National Center for Health Statistics (NCHS). The ACME system requires every disease or condition mentioned on the record to be coded. The underlying cause is then selected by a computer program which incorporates the ICD-9 rules and conventions. Cause of death information in both graphs and tables in this report is based on underlying cause except where noted otherwise. Training of personnel and quality control is provided by NCHS to insure comparability nationally. The NCHS codes the cause of death for all records from the states which have not implemented the ACME system.

There are three major benefits of the ACME system of coding:

1. Consistency and comparability of the designation of underlying cause of death is heightened by lessening the decision process of individual coders.

2. Increased data capture of diseases and conditions which are present at the time of death but are not the underlying cause of death is possible. This increases the utility of mortality data as an epidemiological tool to determine morbidity of certain diseases and as an environmental surveillance tool.

3. Data previously lost due to records which may have been improperly completed are accessible. The cause of death information on the Standard Certificate of Death (Appendix I) is collected in two parts. Part I contains the immediate cause of death. The underlying cause is mostly likely the condition of the longest duration which resulted in the immediate cause of death. Part II contains other significant conditions which contribute to the death but are not related to the cause information contained in Part I. Because the completion of the record is a medical decision made by the physician and not a coding decision, the information in Part II may, in fact, be the underlying cause of death but is not coded as such. With all cause information now coded, records containing data relating to particular diseases and conditions may be captured for epidemiological purposes.

Three tables are presented utilizing cause of death information available from multiple cause of death coding. Table C-8A presents a cross-tabulation of twelve important causes with both the number of deaths due to the underlying cause and mentioned conditions together with ratios reflecting the fact that death certificates have an average of 2.6 mentioned conditions or diseases. Table C-8B is a similar table focusing on deaths due to cancer. The final multiple cause table (C-9) shows the number of deaths with atherosclerosis, diabetes mellitus, and hypertensive disease included as either an underlying cause or mentioned condition.

The leading causes of death vary widely by age and sex. Table C-4 presents the five leading causes of death by age and sex. For ages one through 29, accidents were the leading cause of death; for those aged 30 through 69, cancer was the leading cause; only for those aged 70 and over does heart disease become the leading cause. For males, however, heart disease becomes the leading cause beginning at age 40.

While the percentage of deaths due to suicide in Massachusetts remained below the U.S. percentage, it increased 5.3% over 1981 to 538 in 1982. Males accounted for 77% of suicides. One-half of these males were between the ages of 20 and 39. Table C-10 presents complete statistics on suicide by sex and age.

Overall, accidental deaths decreased 11% to 1,785 during 1982; motor vehicle accident-related deaths decreased by 17.3% and other accidents decreased 6.4%. More than 60% of the decrease in accidental deaths were to persons aged 20 to 39. Motor vehicle accidents by sex and age are contained in Table C-11.

In 1982, medical examiners certified 26% of all deaths occurring in Massachusetts. Only 18% of these 14,113 deaths were attributed to violent causes. The remaining 82% were sudden or unattended deaths. Table C-13 displays the variability by county in the practice of medical examiners. The highest percentage of deaths certified, for example, was in Plymouth County, where 39% of occurrence deaths were certified by medical examiners, 88% of which were attributed to non-violent causes. In Suffolk County, the second largest county in population and number of deaths, only 10% of its deaths were certified by medical examiners. This county also had the greatest number of referrals where the medical examiners waived jurisdiction and the lowest percentage of non-violent causes (45%) in the state.

Of the deaths occurring in Massachusetts in 1982, the place of occurrence was as follows:

SITE	# OF DEATHS	% OF DEATHS
HOSPITAL	34,336	64.0
AT HOME	7,556	14.1
NURSING OR REST HOME	7,067	13.2
EN ROUTE OR DEAD ON ARRIVAL	4,092	7.6
OTHER AND UNKNOWN	576	1.1
TOTAL	53,627	100.0

TABLE C-1
RESIDENT DEATHS BY AGE, SEX AND RACE
1982

AGE	- ALL RACES -			- WHITE -			- NON-WHITE -			- OTHER & UNKNOWN -		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<5	877*	493	383	759*	418	340	117	75	42	1	0	1
5 - 9	75	45	30	64	40	24	11	5	6	0	0	0
10-14	79	42	37	69	37	32	10	5	5	0	0	0
15-19	344	264	80	314	242	72	29	22	7	1	0	1
20-24	408	311	97	377	284	93	29	25	4	2	2	0
25-29	426	316	110	381	282	99	44	34	10	1	0	1
30-34	478	321	157	433	287	146	44	33	11	1	1	0
35-39	482	297	185	445	275	170	36	21	15	1	1	0
40-44	629	414	215	575	385	190	53	28	25	1	1	0
45-49	1,010	626	384	937	584	353	73	42	31	0	0	0
50-54	1,901	1,191	710	1,801	1,133	668	99	57	42	1	1	0
55-59	2,889	1,820	1,069	2,769	1,744	1,025	115	73	42	5	3	2
60-64	4,341	2,652	1,689	4,179	2,549	1,630	159	101	58	3	2	1
65-69	5,647	3,385	2,262	5,487	3,308	2,179	154	75	79	6	2	4
70-74	6,726	3,753	2,973	6,551	3,667	2,884	171	85	86	4	1	3
75-79	7,353	3,637	3,716	7,202	3,569	3,633	149	67	82	2	1	1
80-84	7,320	3,031	4,289	7,185	2,987	4,198	132	41	91	3	3	0
85-89	6,471	2,296	4,175	6,375	2,250	4,125	93	44	49	3	2	1
90-94	3,798	1,104	2,694	3,733	1,078	2,655	65	26	39	0	0	0
95-99	1,344	339	1,005	1,307	320	987	37	19	18	0	0	0
>99	261	51	210	252	48	204	9	3	6	0	0	0
UNKNOWN	9	7	2	8	7	1	1	0	1	0	0	0
TOTAL	52,868*	26,395	26,472	51,203*	25,494	25,708	1,630	881	749	35	20	15

*TOTAL INCLUDES ONE DEATH OF UNKNOWN SEX.

TABLE C-2
LEADING CAUSES OF DEATH, MASSACHUSETTS AND UNITED STATES
1981-1982

CAUSE OF DEATH	- 1981 -					- 1982 -				
	MASS. NUMBER	%	RANK	U.S.%	RANK	MASS. NUMBER	%	RANK	U.S.%	RANK
DISEASES OF THE HEART (390-398, 402, 404-429)	21,060	39.9	1	38.2	1	21,161	40.0	1	38.2	1
MALIGNANT NEOPLASMS (140-208)	12,256	23.2	2	21.3	2	12,572	23.8	2	21.9	2
CEREBROVASCULAR DISEASE (430-438)	4,036	7.6	3	8.3	3	3,835	7.3	3	8.0	3
ACCIDENTS (800-949)	2,007	3.8	4	5.1	4	1,785	3.4	4	4.8	4
PNEUMONIA & INFLUENZA (480-487)	1,936	3.7	5	2.7	6	1,703	3.2	5	2.5	6
CHRONIC OBSTRUCTIVE PULMONARY DISEASES (490-496)	1,498	2.8	6	3.0	5	1,429	2.7	6	3.0	5
DIABETES MELLITUS (250)	935	1.8	7	1.7	7	917	1.7	7	1.7	7
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	750	1.4	8	1.5	8	744	1.4	8	1.4	9
ATHEROSCLEROSIS (440)	691	1.3	9	1.4	9	693	1.3	9	1.3	10
SUICIDE (950-959)	511	1.0	10	1.4	10	538	1.0	10	1.4	8
ALL OTHER CAUSES	7,134	13.5	--	15.4	--	7,491	14.2	--	15.8	--
TOTAL	52,814	100.0	--	--	--	52,868	100.0	--	100.0	--

FIGURE C-1

1982 10 LEADING CAUSES OF DEATH

MASSACHUSETTS AND USA

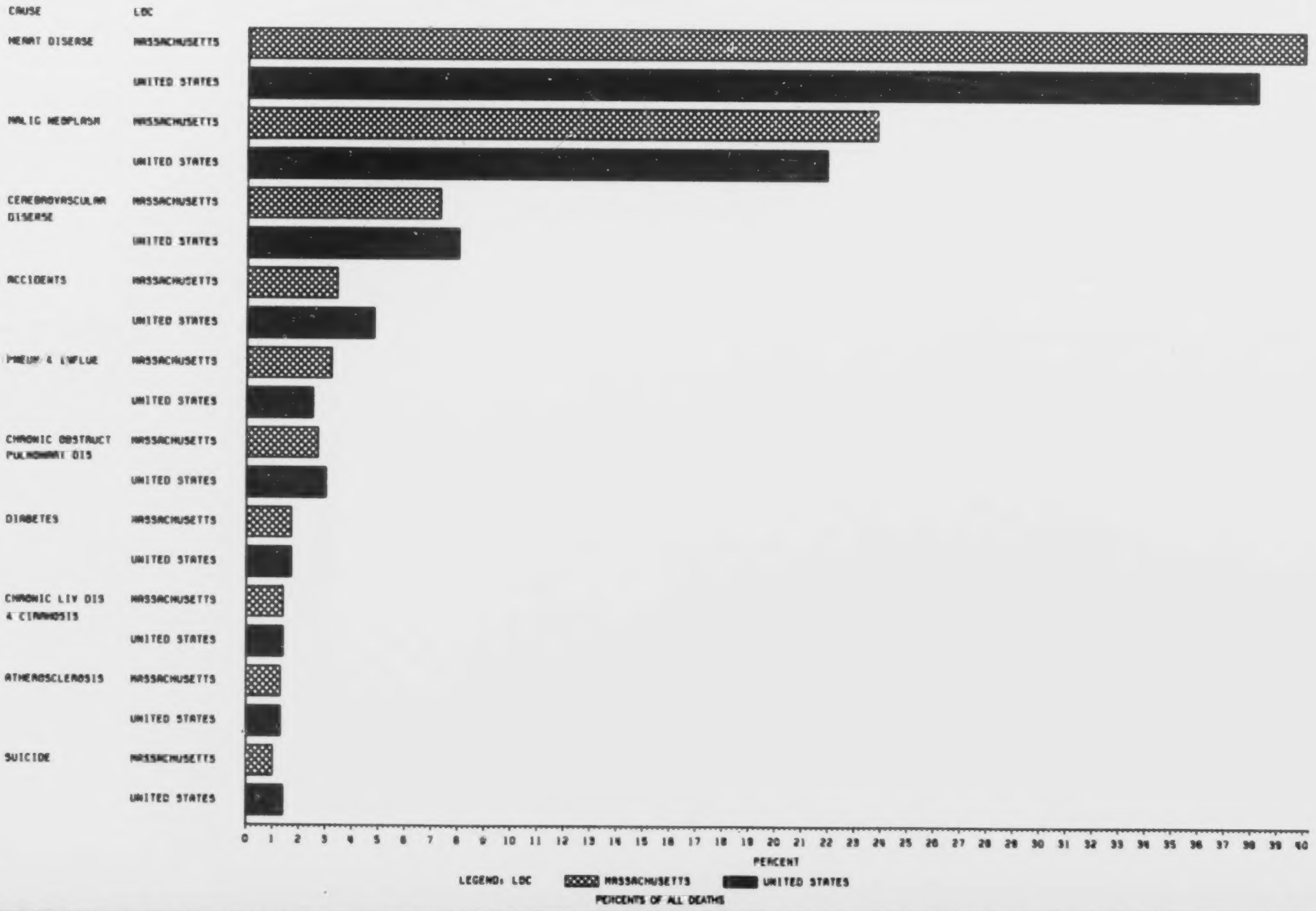


FIGURE C-2

PROPORTION OF FIVE SELECTED CAUSES OF DEATH

MASSACHUSETTS RESIDENTS

1940 TO 1982

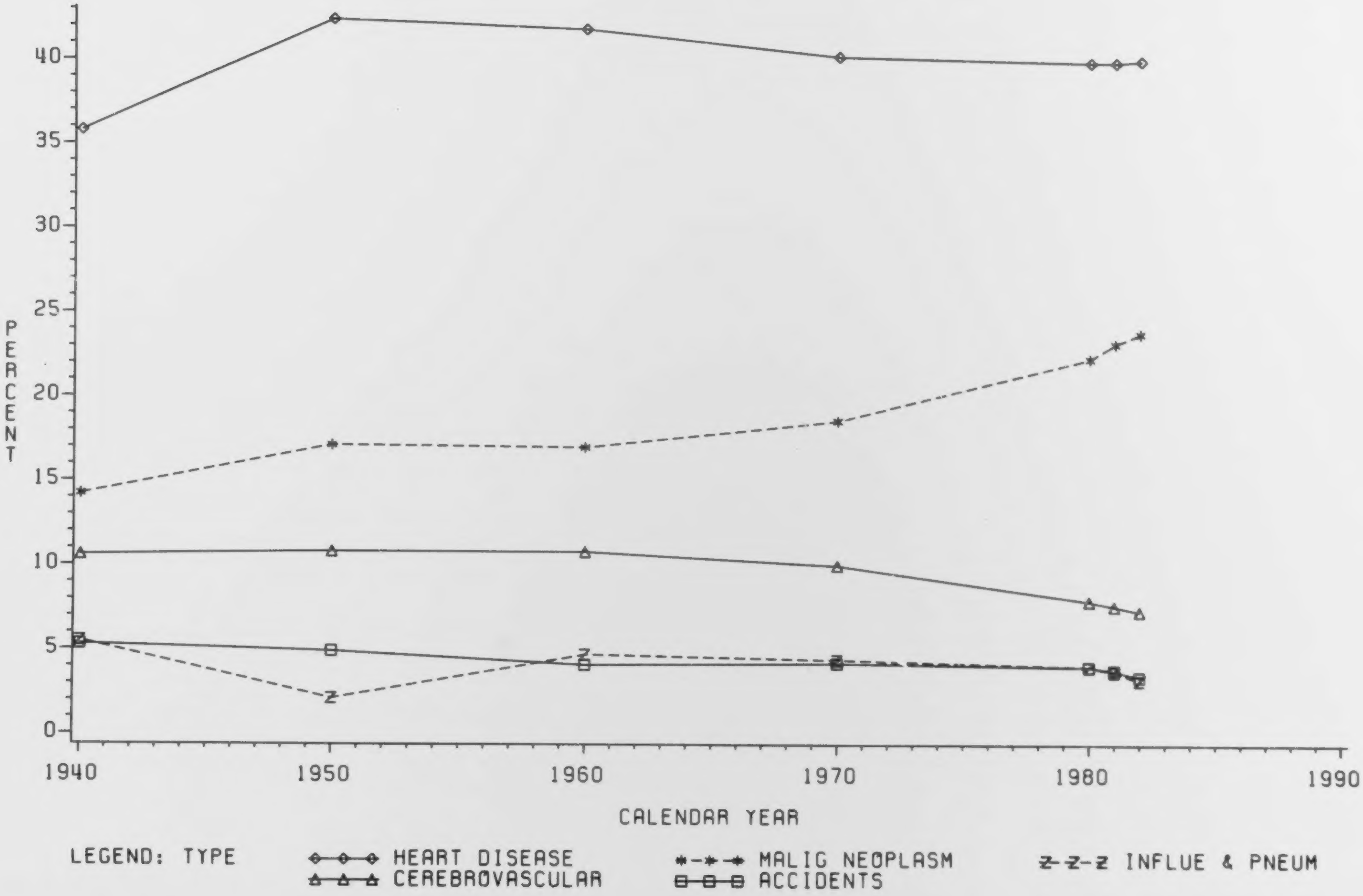


TABLE C-3
LEADING CAUSES OF DEATH BY HEALTH SERVICE AREAS
1982

	STATE	HSA I	HSA II	HSA III	HSA IV	HSA V	HSA VI
CAUSE OF DEATH	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE
DISEASES OF THE HEART	21,161	2,881	2,513	1,693	7,523	3,972	2,579
(390-398,402,404-429)	1	1	1	1	1	1	1
	3.7	3.6	3.7	3.5	3.6	3.9	4.1
MALIGNANT NEOPLASMS	12,572	1,722	1,407	1,024	4,597	2,351	1,471
(140-208)	2	2	2	2	2	2	2
	2.2	2.1	2.1	2.1	2.2	2.3	2.3
CEREBROVASCULAR DISEASE	3,835	566	436	322	1,255	851	405
(430-438)	3	3	3	3	3	3	3
	.7	.7	.6	.7	.6	.8	.6
ACCIDENTS	1,785	282	197	127	640	323	216
(800-949)	4	4	4	4	5	4	4
	.3	.4	.3	.3	.3	.3	.3
PNEUMONIA & INFLUENZA	1,703	266	176	105	696	286	174
(480-487)	5	5	5	7	4	5	6
	.3	.3	.3	.2	.3	.3	.3
CHRONIC OBSTRUCTIVE	1,429	232	161	131	456	248	201
PULMONARY DISEASES	6	6	6	5	6	6	5
(490-496)	.2	.3	.2	.3	.2	.2	.3
DIABETES MELLITIS	917	121	115	93	327	151	110
(250)	7	8	7	8	7	7	7
	.2	.2	.2	.2	.2	.1	.2
CHRONIC LIVER DISEASE	744	98	82	55	292	128	89
& CIRRHOSIS	8	9	9	9	8	9	8
(571)	.1	.1	.1	.1	.1	.1	.1
ATHEROSCLEROSIS	693	123	85	122	158	144	61
(440)	9	7	8	6	10	8	9
	.1	.2	.1	.3	.1	.1	.1
SUICIDE	538	85	56	52	199	90	56
(950-959)	10	10	10	10	9	10	10
	.1	.1					
ALL OTHER CAUSES	7,491	1,038	874	537	2,966	1,206	870
	-	-	-	-	-	-	-
	1.3	1.3	1.3	1.1	1.4	1.2	1.4
TOTAL	52,868	7,414	6,102	4,261	19,109	9,750	6,232
	-	-	-	-	-	-	-
	9.2	9.2	9.0	8.7	9.1	9.5	9.9

NOTE: The rates for the state are determined using 1982 population estimates. HSA rates utilize 1980 U.S. Census data.

TABLE C-4
LEADING CAUSES OF DEATH BY AGE GROUP AND SEX
1982

AGE GROUP	TOTAL	MALE	FEMALE
UNDER 1 YEAR			
CERTAIN CAUSES OF PERINATAL MORTALITY (760-779)	410	240	170
CONGENITAL ANOMALIES (740-759)	183*	94	88
SUDDEN INFANT DEATH SYNDROME (7980)	81	48	33
ALL OTHER CAUSES	90	56	34
TOTAL	764* 1.4%	438 1.7%	325 1.2%
1-4 YEARS			
OTHER ACCIDENTS (800-809, 826-949)	21	12	9
CONGENITAL ANOMALIES (740-759)	16	8	8
MALIGNANT NEOPLASMS (140-208)	15	8	7
ALL OTHER CAUSES	61	27	34
TOTAL	113 0.2%	55 0.2%	58 0.2%
5-9 YEARS			
OTHER ACCIDENTS (800-809, 826-949)	19	13	6
MOTOR VEHICLE ACCIDENTS (810-825)	13	8	5
MALIGNANT NEOPLASMS (140-208)	9	8	1
ALL OTHER CAUSES	34	16	18
TOTAL	75 0.1%	45 0.2%	30 0.1%
10-14 YEARS			
MOTOR VEHICLE ACCIDENTS (810-825)	17	10	7
OTHER ACCIDENTS (800-809, 826-949)	17	11	6
MALIGNANT NEOPLASMS (140-208)	15	6	9
ALL OTHER CAUSES	30	15	15
TOTAL	79 0.1%	42 0.2%	37 0.1%

TABLE C-4 (continued)
LEADING CAUSES OF DEATH BY AGE GROUP AND SEX
1982

AGE GROUP	TOTAL	MALE	FEMALE
15-19 YEARS			
MOTOR VEHICLE ACCIDENTS (810-825)	155	123	32
OTHER ACCIDENTS (800-809, 826-949)	42	38	4
HOMICIDE (960-969)	32	22	10
SUICIDE (950-959)	30	26	4
ALL OTHER CAUSES	85	55	30
TOTAL	344	264	80
	0.7%	1.0%	0.3%
20-29 YEARS			
MOTOR VEHICLE ACCIDENTS (810-825)	223	178	45
SUICIDE (950-959)	150	126	24
OTHER ACCIDENTS (800-809, 826-949)	120	104	16
MALIGNANT NEOPLASMS (140-209)	76	39	37
HOMICIDE (960-969)	70	58	12
ALL OTHER CAUSES	195	122	73
TOTAL	834	627	207
	1.6%	2.4%	0.8%
30-39 YEARS			
MALIGNANT NEOPLASMS (140-208)	209	88	121
SUICIDE (950-959)	111	83	28
MOTOR VEHICLE ACCIDENTS (810-825)	90	67	23
OTHER ACCIDENTS (800-809, 826-949)	83	70	13
ISCHEMIC HEART DISEASE (410-414)	81	66	15
ALL OTHER CAUSES	386	244	142
TOTAL	960	618	342
	1.8%	2.3%	1.3%
40-49 YEARS			
MALIGNANT NEOPLASMS (140-208)	494	235	259
ISCHEMIC HEART DISEASE (410-414)	421	352	69
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	87	55	32
ALL OTHER CAUSES	637	398	239
TOTAL	1,639	1,040	599
	3.1%	3.9%	2.3%

TABLE C-4 (continued)
LEADING CAUSES OF DEATH BY AGE GROUP AND SEX
1982

AGE GROUP	TOTAL	MALE	FEMALE
50-59 YEARS			
MALIGNANT NEOPLSAMS (140-208)	1,765	879	886
ISCHEMIC HEART DISEASE (410-414)	1,446	1,143	303
DISEASES OF RESPIRATORY SYSTEM (460-519)	205	123	77
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	188	132	56
ALL OTHER CAUSES	1,186	729	457
TOTAL	4,790	3,011	1,779
	9.1%	11.4%	6.7%
60-69 YEARS			
MALIGNANT NEOPLASMS (140-208)	3,403	1,870	1,533
ISCHEMIC HEART DISEASE (410-414)	3,216	2,211	1,005
DISEASES OF RESPIRATORY SYSTEM (460-519)	547	370	177
CEREBROVASCULAR DISEASE (430-438)	437	221	216
ALL OTHER CAUSES	2,385	1,365	2,020
TOTAL	9,988	6,037	3,951
	18.9%	22.9%	14.9%
70-79 YEARS			
ISCHEMIC HEART DISEASE (410-414)	4,845	2,618	2,227
MALIGNANT NEOPLASMS (140-208)	3,741	1,995	1,746
DISEASES OF RESPIRATORY SYSTEM (460-519)	1,096	675	421
CEREBROVASCULAR DISEASE (430-438)	994	460	534
ALL OTHER CAUSES	3,403	1,642	1,761
TOTAL	14,079	7,390	6,689
	26.6%	28.0%	25.3%
80-89 YEARS			
ISCHEMIC HEART DISEASE (410-414)	4,972	1,900	3,072
MALIGNANT NEOPLASMS (140-208)	2,315	1,031	284
CEREBROVASCULAR DISEASE (430-438)	1,486	430	,056
DISEASES OF RESPIRATORY SYSTEM (460-519)	1,188	592	596
ALL OTHER CAUSES	3,830	1,374	2,456
TOTAL	13,791	5,327	8,464
	26.1%	20.2%	32.0%

TABLE C-4 (continued)
LEADING CAUSES OF DEATH BY AGE GROUP AND SEX
1982

AGE GROUP	TOTAL	MALE	FEMALE
90-99 YEARS			
ISCHEMIC HEART DISEASE (410-414)	1,994	539	1,455
CEREBROVASCULAR DISEASE (430-438)	632	122	510
MALIGNANT NEOPLASMS (140-208)	487	198	289
DISEASES OF RESPIRATORY SYSTEM (460-519)	480	176	304
ALL OTHER CAUSES	1,549	408	1,141
TOTAL	5,142 9.7%	1,443 5.5%	3,699 14.0%
100 YEARS & OLDER			
ISCHEMIC HEART DISEASE (410-414)	110	210	89
ATHEROSCLEROSIS (440)	30	6	24
CEREBROVASCULAR DISEASE (430-438)	22	1	21
DISEASES OF RESPIRATORY SYSTEM (460-519)	21	6	15
ALL OTHER CAUSES	78	17	61
TOTAL	261 0.5%	51 0.2%	210 0.8%
TOTAL MASSACHUSETTS DEATHS	52,868** 100.0%	26,395 100.0%	26,472 100.0%

*INCLUDES ONE INFANT DEATH OF UNKNOWN SEX.

**INCLUDES NINE DEATHS OF UNKNOWN AGE AND ONE OF UNKNOWN SEX.

FIGURE C-3

1982 5 LEADING CAUSES OF DEATH BY SEX

MASSACHUSETTS RESIDENTS

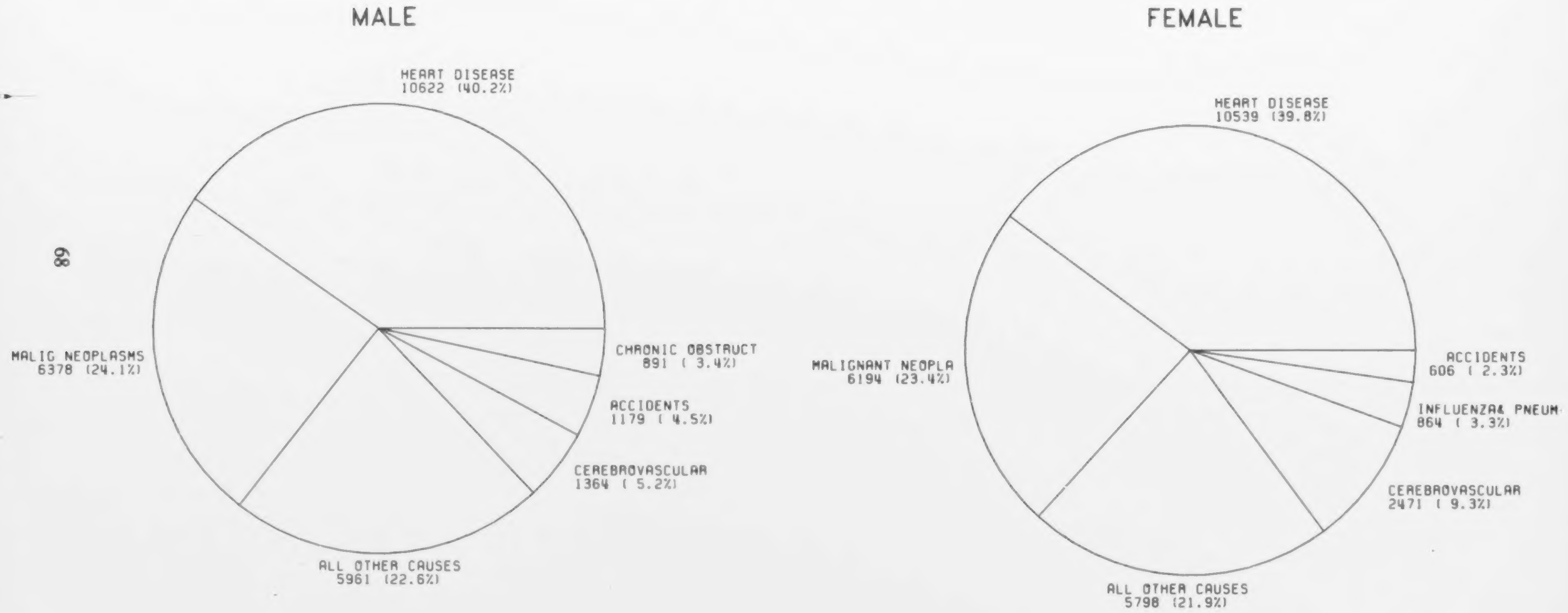
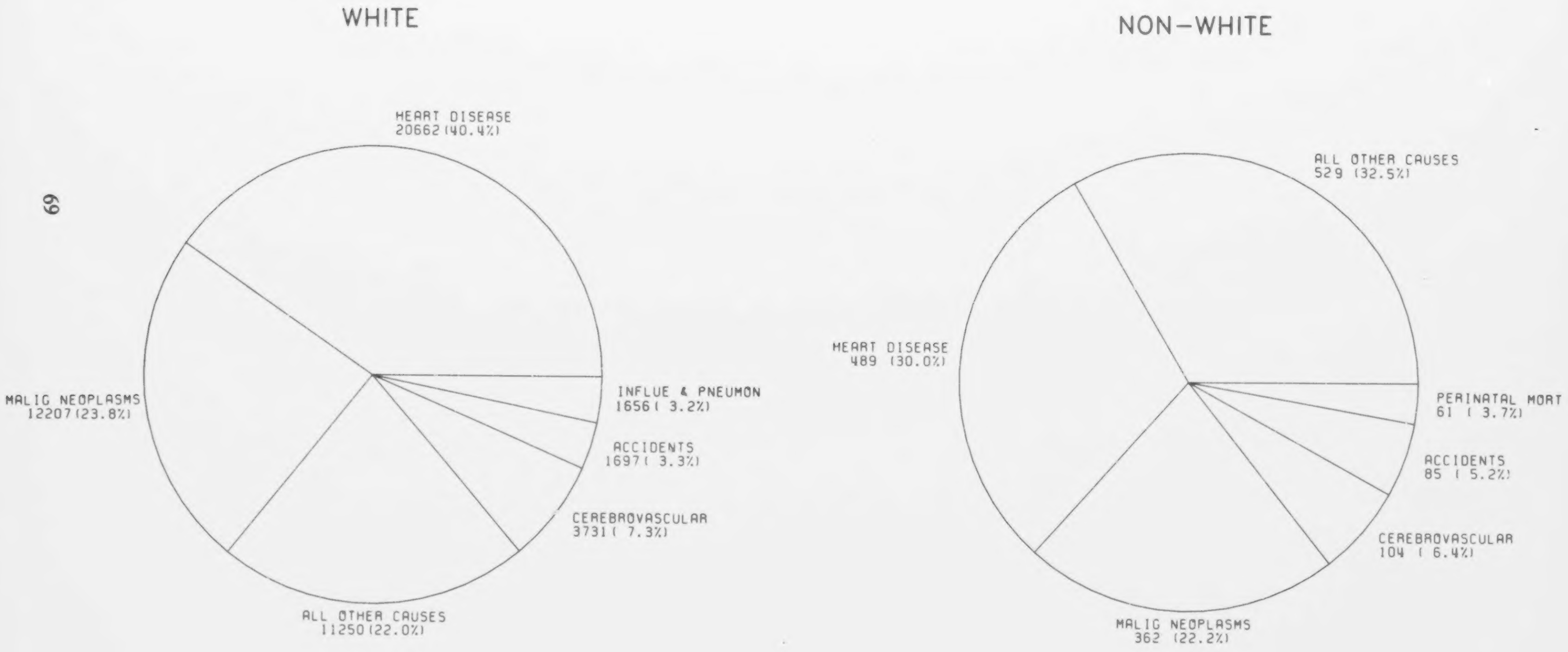


FIGURE C-4

1982 5 LEADING CAUSES OF DEATH BY RACE
MASSACHUSETTS RESIDENTS


WHITE

NON-WHITE

TABLE C-5
MAJOR CAUSES OF MASSACHUSETTS RESIDENT DEATHS BY RACE AND SEX
1982

MAJOR CAUSE OF DEATH (ICD CODE)		- TOTALS -			- WHITE -			- NON-WHITE -		
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
I.	INFECTIVE AND PARASITIC DISEASES (001-139)	565	246	319	534	229	305	31	17	14
		1.07%	0.93%	1.21%	1.04%	0.90%	1.19%	1.90%	1.93%	1.87%
II.	NEOPLASMS (140-239)	12775	6464	6311	12404	6257	6147	368	205	163
		24.16%	24.49%	23.84%	24.23%	24.54%	23.91%	22.58%	23.27%	21.76%
III.	ENDOCRINE, NUTRITIONAL AND METABOLIC DISORDERS (240-279)	1203	471	732	1148	456	692	55	15	40
		2.28%	1.78%	2.77%	2.24%	1.79%	2.69%	3.37%	1.70%	5.34%
IV.	DIS. OF THE BLOOD AND BLOOD-FORMING ORGANS (280-289)	172	69	103	168	68	100	4	1	3
		0.33%	0.26%	0.39%	0.33%	0.27%	0.39%	0.25%	0.11%	0.40%
V.	MENTAL DISORDERS (290-319)	330	162	168	318	157	161	12	5	7
		0.62%	0.61%	0.63%	0.62%	0.62%	0.63%	0.74%	0.57%	0.93%
VI.	DIS. OF THE NERVOUS SYSTEM AND SENSE ORGANS (320-389)	783	357	426	757	343	414	26	14	12
		1.48%	1.35%	1.61%	1.48%	1.35%	1.61%	1.60%	1.59%	1.60%
VII.	DIS. OF THE CIRCULATORY SYSTEM (390-459)	26575	12720	13855	25931	12397	13534	633	314	319
		50.27%	48.19%	52.34%	50.64%	48.63%	52.64%	38.83%	35.64%	42.59%
VIII.	DIS. OF THE RESPIRATORY SYSTEM (460-519)	3693	2041	1652	3580	1984	1596	111	56	55
		6.99%	7.73%	6.24%	6.99%	7.78%	6.21%	6.81%	6.36%	7.34%
IX.	DIS. OF THE DIGESTIVE SYSTEM (520-579)	2092	1031	1061	2029	999	1030	63	32	31
		3.96%	3.91%	4.01%	3.96%	3.92%	4.01%	3.87%	3.63%	4.14%
X.	DIS. OF THE GENITOURINARY SYSTEM (580-628)	829	381	448	798	366	432	31	15	16
		1.57%	1.44%	1.69%	1.56%	1.44%	1.68%	1.90%	1.70%	2.14%
XI.	COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND PUERPERIUM (630-676)	2	0	2	2	0	2	0	0	0
		0.00%	0.00%	0.01%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%
XII.	DIS. OF THE SKIN AND SUBCUTANEOUS TISSUE (680-709)	70	27	43	66	27	39	4	0	4
		0.13%	0.10%	0.16%	0.13%	0.11%	0.15%	0.25%	0.00%	0.53%
XIII.	DIS. OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (710-739)	119	30	89	117	30	87	2	0	2
		0.23%	0.11%	0.34%	0.23%	0.12%	0.34%	0.12%	0.00%	0.27%
XIV.	CONGENITAL ANOMALIES (740-759)	299	150	149	280	140	140	18	10	8
		0.57%	0.57%	0.56%	0.55%	0.55%	0.54%	1.10%	1.14%	1.07%
XV.	CERTAIN CONDITIONS ORIGINATING IN PERINATAL PERIOD (760-779)	417	243	174	355	202	153	61	41	20
		0.79%	0.92%	0.66%	0.69%	0.79%	0.60%	3.74%	4.65%	2.67%
XVI.	SYMPTOMS, SIGNS AND ILL-DEFINED CONDITIONS (780-799)	317	174	143	268	145	123	38	25	13
		0.60%	0.66%	0.54%	0.52%	0.57%	0.48%	2.33%	2.84%	1.74%
XVII.	EXTERNAL CAUSES OF INJURY AND POISONING (800-899)	2627	1829	798	2448	1694	754	173	131	42
		4.97%	6.93%	3.01%	4.78%	6.64%	2.93%	10.61%	14.87%	5.61%
	TOTALS	52868	26395	26473	51203	25494	25709	1630	881	749
		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

NOTE: TOTALS REFLECT 20 MALES AND 15 FEMALES OF UNKNOWN RACE.

FIGURE C-5

1982 MASSACHUSETTS RESIDENT DEATHS
PROPORTION BY AGE GROUP WITHIN RACE

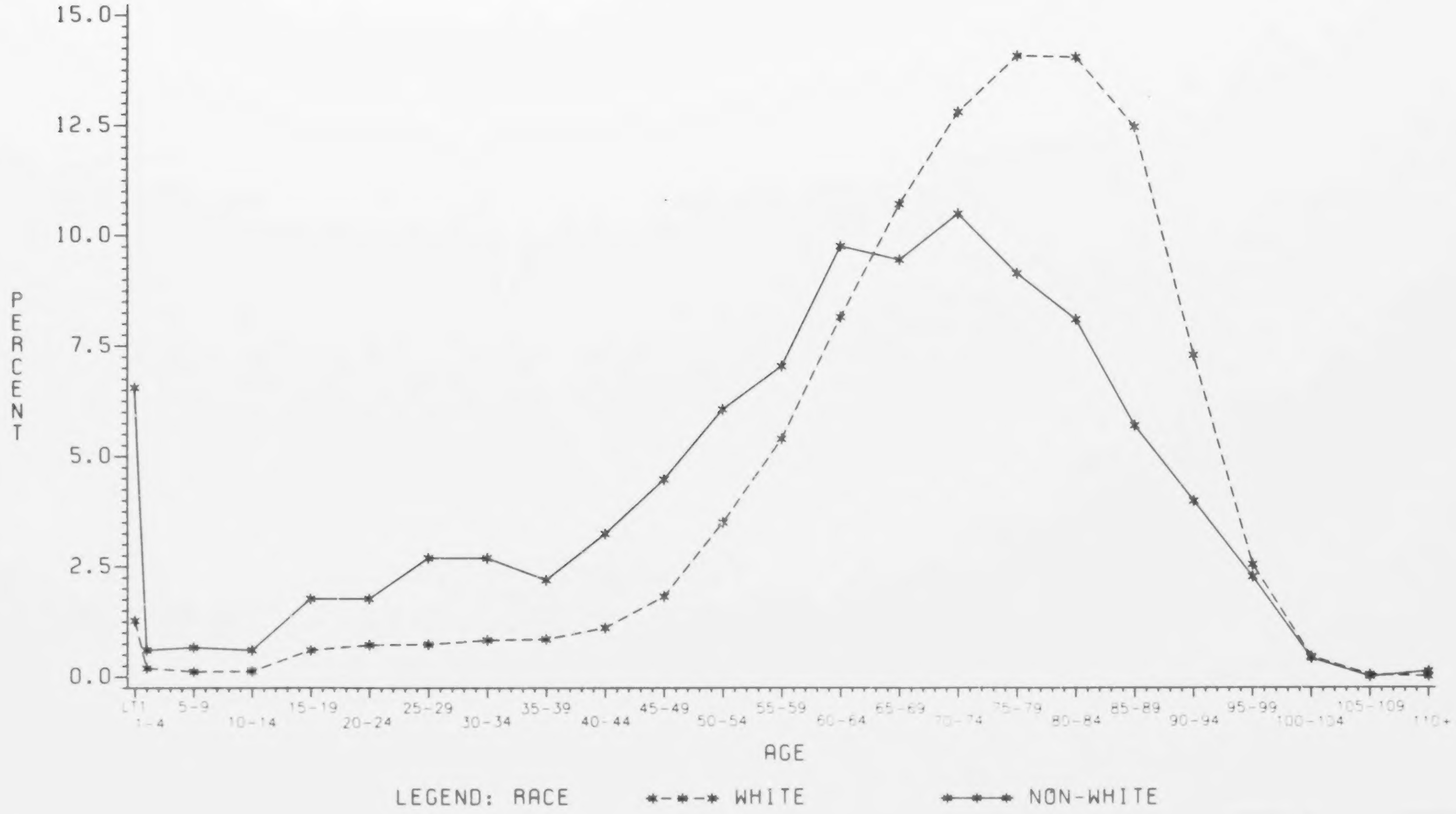


TABLE C-6
SELECTED CAUSES OF DEATH BY AGE AND SEX
MASSACHUSETTS RESIDENTS
1982

CAUSE OF DEATH	TOTAL	AGE														
		0-4	5-9	10-14	15-19	20-29	30-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+
MALIGNANT NEOPLASMS (140-208)																
MALE	6378	8	8	6	15	39	88	68	167	349	530	842	1028	1048	947	1234
FEMALE	6194	8	1	9	12	37	121	86	173	345	541	738	795	884	862	1582
TOTAL	12572	16	9	15	27	76	209	154	340	694	1071	1580	1823	1932	1809	2816
DIABETES MELLITUS (250)																
MALE	357	0	0	0	0	1	4	3	11	18	22	28	71	60	58	81
FEMALE	560	1	0	0	0	3	5	5	6	14	24	49	60	70	99	224
TOTAL	917	1	0	0	0	4	9	8	17	32	46	77	131	130	157	305
HEART DISEASES (390 - 398, 402, 404-429)																
MALE	10622	13	2	1	11	35	109	144	267	490	814	1150	1453	1617	1508	3007
FEMALE	10539	8	4	1	3	9	29	33	71	133	256	491	795	1196	1575	5934
TOTAL	21161	21	6	2	14	44	138	177	338	623	1070	1641	2248	2813	3083	8941
CEREBROVASCULAR DISEASE (430-438)																
MALE	1364	2	1	1	0	4	17	16	11	35	43	84	137	214	246	553
FEMALE	2471	1	2	1	0	4	7	14	21	39	45	75	141	201	333	1587
TOTAL	3835	3	3	2	0	8	24	30	32	74	88	159	278	415	579	2140
ATHEROSCLEROSIS (440)																
MALE	244	0	0	0	0	1	0	0	0	1	4	4	14	13	28	179
FEMALE	449	0	0	0	0	0	0	0	2	0	2	4	6	22	43	370
TOTAL	693	0	0	0	0	1	0	0	2	1	6	8	20	35	71	549
INFLUENZA & PNEUMONIA (480-487)																
MALE	839	9	1	1	2	3	8	7	10	18	24	37	68	99	124	428
FEMALE	864	4	0	0	0	5	9	3	3	10	10	19	19	55	111	615
TOTAL	1703	13	1	1	2	8	17	10	13	28	34	56	87	154	235	1043

TABLE C-6 (CONTINUED)
SELECTED CAUSES OF DEATH BY AGE AND SEX
MASSACHUSETTS RESIDENTS
1982

CHRONIC OBSTRUCTIVE PULMONARY (490-496)																
MALE	891	0	1	0	1	1	4	4	3	20	39	89	121	174	194	240
FEMALE	538	0	0	2	0	1	2	7	5	18	29	48	63	96	94	173
TOTAL	1429	0	1	2	1	2	6	11	8	38	68	137	184	270	288	413
CHRONIC LIVER DIS. & CIRRHOSIS (571																
MALE	461	0	0	0	0	3	24	27	28	62	70	76	70	51	34	16
FEMALE	283	0	0	0	1	5	12	12	20	26	30	43	45	34	26	29
TOTAL	744	0	0	0	1	8	36	39	48	88	100	119	115	85	60	45
MOTOR VEHICLE ACCIDENTS (810-825)																
MALE	525	6	8	10	123	178	67	16	13	18	22	11	14	15	7	16
FEMALE	189	5	5	7	32	45	23	3	8	9	5	7	9	9	14	8
TOTAL	714	11	13	17	155	223	90	19	21	27	27	18	23	24	21	24
SUICIDES (950-959) HOMICIDES (960-969)																
MALE	593	5	2	2	48	184	121	39	34	29	34	31	24	7	13	19
FEMALE	184	5	2	2	14	36	41	13	14	12	8	13	13	2	5	4
TOTAL	777	10	4	4	62	220	162	52	48	41	42	44	37	9	18	23
ALL OTHER ACCIDENTS (800-807,826-949)																
MALE	654	14	13	11	38	104	70	29	20	36	28	39	40	47	46	117
FEMALE	417	14	6	6	4	16	13	7	10	16	11	16	21	31	52	194
TOTAL	1071	28	19	17	42	120	83	36	30	52	39	55	61	78	98	311
ALL MASSACHUSETTS RESIDENT DEATHS																
MALE	[illegible]95	493	45	42	264	627	618	414	626	1191	1820	2652	3385	3753	3637	6821
FEMALE	[illegible]72	383	30	37	80	207	342	215	384	710	1069	1689	2262	2973	3716	12373
TOTAL	52868	877	75	79	344	834	960	629	1010	1901	2889	4341	5647	6726	7353	19194

*NOTE: TOTALS MAY BE GREATER THAN THE SUM OF THE PARTS DUE TO INCLUSION OF PERSONS OF UNKNOWN RACE, SEX, AND/OR AGE

TABLE C-7
SELECTED CAUSES OF DEATH BY AGE AND SEX
RATES PER 100,000 POPULATION
1982

CAUSE OF DEATH		TOTAL	0-4	5-9	10-14	15-19	20-29	30-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+
									AGE								
MALIGNANT NEOPLASMS (140-208)																	
	MALE	233.5	4.6	4.2	2.5	5.5	7.6	22.6	51.0	129.8	229.6	364.0	666.5	1029.8	1407.8	1235.4	6137.2
	FEMALE	206.0	4.9	0.5	4.0	4.4	7.0	29.8	59.1	124.4	209.0	327.1	488.5	585.7	784.9	562.1	2940.5
TOTAL		219.1	4.7	2.4	3.3	4.9	7.3	26.3	55.2	127.0	218.9	344.4	569.6	773.9	1032.8	786.5	3810.1
DIABETES MELLITUS (250)																	
	MALE	13.1	0.0	0.0	0.0	0.0	0.2	1.0	2.2	8.6	11.8	15.1	22.2	71.1	80.6	75.7	402.8
	FEMALE	18.6	0.6	0.0	0.0	0.0	0.6	1.2	3.4	4.3	8.5	14.5	32.4	44.2	62.2	64.6	416.3
TOTAL		16.0	0.3	0.0	0.0	0.0	0.4	1.1	2.9	6.3	10.1	14.8	27.8	55.6	69.5	68.3	412.7
HEART DISEASES (390 - 398, 402, 404-429)																	
	MALE	389.0	7.5	1.0	0.4	4.0	6.9	28.0	108.0	207.5	322.3	559.1	910.4	1455.6	2172.1	1967.2	14955.0
	FEMALE	350.6	4.9	2.2	0.4	1.1	1.7	7.1	22.7	51.0	80.6	154.8	325.0	585.7	1061.9	1027.1	11029.5
TOTAL		368.8	6.2	1.6	0.4	2.6	4.2	17.4	63.5	126.2	196.5	344.1	591.6	954.3	1503.7	1340.4	12097.5
CEREBROVASCULAR DISEASE (430-438)																	
	MALE	49.9	1.2	0.5	0.4	0.0	0.8	4.4	12.0	8.6	23.0	29.5	66.5	137.2	287.5	320.9	2750.3
	FEMALE	82.2	0.6	1.1	0.4	0.0	0.8	1.7	9.6	15.1	23.6	27.2	49.6	103.9	178.5	217.2	2949.8
TOTAL		66.8	0.9	0.8	0.4	0.0	0.8	3.0	10.8	12.0	23.3	28.3	57.3	118.0	221.8	251.7	2895.5
ATHEROSCLEROSIS (440)																	
	MALE	8.9	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.7	2.7	3.2	14.0	17.5	36.5	890.2
	FEMALE	14.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.2	2.6	4.4	19.5	28.0	687.7
TOTAL		12.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.7	0.3	1.9	2.9	8.5	18.7	30.9	742.8
INFLUENZA & PNEUMONIA (480-487)																	
	MALE	30.7	5.2	0.5	0.4	0.7	0.6	2.1	5.2	7.8	11.8	16.5	29.3	68.1	133.0	161.8	2128.6
	FEMALE	28.7	2.4	0.0	0.0	0.0	0.9	2.2	2.1	2.2	6.1	6.0	12.6	14.0	48.8	72.4	1143.1
TOTAL		29.7	3.9	0.3	0.2	0.4	0.8	2.1	3.6	4.9	8.8	10.9	20.2	36.9	82.3	102.2	1411.2

TABLE C-7 (CONTINUED)
SELECTED CAUSES OF DEATH BY AGE AND SEX
RATES PER 100,000 POPULATION
1982

CHRONIC OBSTRUCTIVE PULMONARY (490-496)																
MALE	32.6	0.0	0.5	0.0	0.4	0.2	1.0	3.0	2.3	13.2	26.8	70.5	121.2	233.7	253.1	1193.6
FEMALE	17.9	0.0	0.0	0.9	0.0	0.2	0.5	4.8	3.6	10.9	17.5	31.8	46.4	85.2	61.3	321.6
TOTAL	24.9	0.0	0.3	0.4	0.2	0.2	0.8	3.9	3.0	12.0	21.9	49.4	78.1	144.3	125.2	558.8
CHRONIC LIVER DIS. & CIRRHOSIS (571																
MALE	16.9	0.0	0.0	0.0	0.0	0.6	6.2	20.2	21.8	40.8	48.1	60.2	70.1	68.5	44.4	79.6
FEMALE	9.4	0.0	0.0	0.0	0.4	0.9	3.0	8.3	14.4	15.7	18.1	28.5	33.2	30.2	17.0	53.9
TOTAL	13.0	0.0	0.0	0.0	0.2	0.8	4.5	14.0	17.9	27.8	32.2	42.9	48.8	45.4	26.1	60.9
MOTOR VEHICLE ACCIDENTS (810-825)																
MALE	19.2	3.5	4.2	4.2	44.8	34.9	17.2	12.0	10.1	11.8	15.1	8.7	14.0	20.1	9.1	79.6
FEMALE	6.3	3.0	2.7	3.1	11.7	8.5	5.7	2.1	5.8	5.5	3.0	4.6	6.6	8.0	9.1	14.9
TOTAL	12.4	3.3	3.5	3.7	28.3	21.4	11.3	6.8	7.8	8.5	8.7	6.5	9.8	12.8	9.1	32.5
SUICIDES (950-959) HOMICIDES (960-969)																
MALE	21.7	2.9	1.0	0.8	17.5	36.1	31.1	29.2	26.4	19.1	23.4	24.5	24.0	9.4	17.0	94.5
FEMALE	6.1	3.0	1.1	0.9	5.1	6.8	10.1	8.9	10.1	7.3	4.8	8.6	9.6	1.8	3.3	7.4
TOTAL	13.5	3.0	1.1	0.9	11.3	21.1	20.4	18.7	17.9	12.9	13.5	15.9	15.7	4.8	7.8	31.1
ALL OTHER ACCIDENTS (800-807,826-949)																
MALE	23.9	8.1	6.8	4.7	13.8	20.4	18.0	21.7	15.5	23.7	19.2	30.9	40.1	63.1	60.0	581.9
FEMALE	13.9	8.5	3.3	2.7	1.5	3.0	3.2	4.8	7.2	9.7	6.7	10.6	15.5	27.5	33.9	360.6
TOTAL	18.7	8.3	5.1	3.7	7.7	11.5	10.4	12.9	11.2	16.4	12.5	19.8	25.9	41.7	42.6	420.8
ALL MASSACHUSETTS RESIDENT DEATHS																
MALE	966.5	284.9	23.5	17.8	96.0	122.9	159.0	310.4	486.6	783.5	1250.0	2099.4	3391.0	5041.4	4744.4	33923.5
FEMALE	880.6	233.3	16.4	16.4	29.3	33.9	84.2	147.9	276.1	430.1	646.3	1118.1	1666.5	2639.7	2423.2	22997.7
TOTAL	921.5	260.1	20.0	17.1	62.7	80.0	120.8	225.6	377.2	599.5	929.0	1565.0	2397.3	3595.4	3196.8	25970.1

*NOTE: TOTALS MAY BE GREATER THAN THE SUM OF THE PARTS DUE TO INCLUSION OF PERSONS OF UNKNOWN RACE, SEX, AND/OR AGE

TABLE C-8A
DEATHS BY UNDERLYING CAUSE AND MENTIONED CONDITIONS
1982

UNDERLYING CAUSE	TOTAL DEATHS	1	2	3	4	5	6	7	8	9	10	11	12	13	TOTAL 1-13	RATIO OF MENTIONS TO DEATHS
1. MALIGNANT NEOPLASM (140-208)	12,572	17,292*	386	2,873	288	141	747	468	449	84	2	265	0	6,008	29,003	2.31
2. DIABETES MELLITUS (250)	917	41	926*	948	164	106	48	23	33	12	1	27	0	624	2,953	3.22
3. DISEASES OF THE HEART (390-398, 402, 404-429)	21,161	1,114	1,749	35,158*	1,568	1,502	820	996	888	103	15	603	3	8,535	53,054	2.51
4. CEREBROVASCULAR DISEASE (430-438)	3,835	155	335	1,334	4,410*	590	327	87	219	20	2	141	1	2,351	9,972	2.60
5. ATHEROSCLEROSIS (440)	693	37	36	271	0	693*	89	27	41	1	0	39	0	436	1,670	2.41
6. PNEUMONIA & INFLUENZA (480-487)	1,703	158	90	703	190	53	1,707*	92	50	27	2	24	0	1,272	4,368	2.56
7. CHRONIC OBSTRUCTIVE PULMONARY DISEASE (490-496)	1,429	96	41	826	62	29	250	1,446*	94	11	1	49	0	1,073	3,978	2.78
8. OTHER RESPIRATORY DISEASE (460-466, 470-478, 500-508, 510-519)	561	63	20	259	13	8	18	38	607*	9	0	68	0	488	1,591	2.84

TABLE C-8A (continued)
DEATHS BY UNDERLYING CAUSE AND MENTIONED CONDITIONS
1982

UNDERLYING CAUSE	TOTAL DEATHS	1	2	3	4	5	6	7	8	9	10	11	12	13	TOTAL 1-13	RATIO OF MENTIONS TO DEATHS
9. CHRONIC LIVER DISEASE & CIRRHOSIS (571)	744	26	44	146	11	4	38	17	34	754*	0	34	1	1,075	2,184	2.94
10. MOTOR VEHICLE ACCIDENTS (810-825)	714	4	1	44	2	2	3	2	11	3	712	6	0	1,774	2,564	3.59
11. OTHER ACCIDENTS (800-809, 826-949)	1,071	48	29	310	35	12	47	19	66	17	2	1,118*	0	2,064	3,767	3.52
12. SUICIDE AND HOMICIDE (950-969)	777	6	5	25	3	1	8	2	5	1	0	4	787*	1,347	2,194	2.82
13. ALL OTHER CAUSES	6,691	376	259	2,718	410	214	562	200	459	110	3	435	3	13,860*	19,609	2.93
TOTAL	52,868	19,416	3,921	45,615	7,156	3,355	4,664	3,417	2,956	1,152	740	2,813	795	40,907	136,907	2.59

*MENTIONED CAUSES EXCEED UNDERLYING CAUSES DUE TO RELATED ENTITIES.

TABLE C-8B
DEATHS DUE TO MALIGNANT NEOPLASMS BY UNDERLYING CAUSE AND MENTIONED CONDITIONS
1982

	UNDERLYING CAUSE						
MENTIONED CONDITIONS	DIGESTIVE ORGANS & PERITONEUM (150-159)	RESPIRATORY & INTRATHORACIC ORGANS (160-165)	BONE, CONNECTIVE TISSUE, SKIN & BREAST (170-175)	GENITO-URINARY ORGANS (179-189)	LYMPHATIC & HAEMATOPOIETIC TISSUE (200-208)	ALL OTHER MALIGNANT NEOPLASMS	TOTAL
DEATHS	3,637	3,031	1,528	1,819	998	1,559	12,572
1. MALIGNANT NEOPLASMS (140-208)	5,117	4,116	2,358	2,553	1,091	2,057	17,292
2. DIABETES MELLITUS (250)	155	70	43	48	32	38	386
3. DISEASES OF THE HEART (390-398, 402, 404-429)	767	666	330	471	250	389	2,873
4. CEREBROVASCULAR DISEASE (430-438)	64	61	32	60	37	34	288
5. ATHEROSCLEROSIS (440)	48	31	10	21	9	22	141
6. PNEUMONIA & INFLUENZA (480-487)	133	240	71	95	101	107	747
7. CHRONIC OBSTRUCTIVE PULMONARY DISEASE (490-496)	81	251	16	49	23	48	468
8. OTHER RESPIRATORY DISEASE (460-466, 470-478, 500-508, 510-519)	77	148	54	55	47	68	449
9. CHRONIC LIVER DISEASE & CIRRHOSIS (571)	43	16	1	8	5	11	84
10. ACCIDENTS (E800-E949)	79	74	26	34	16	38	267
ALL OTHER CAUSES	1,738	1,241	614	1,013	694	708	6,008
TOTAL MENTIONED COND.	8,302	6,914	3,555	4,407	2,305	3,520	29,003
MEAN NUMBER OF MENTIONED CONDITION PER RECORD	2.28	2.28	2.33	2.42	2.31	2.26	2.31

TABLE C-9
ARTHEROSCLEROSIS, HYPERTENSIVE DISEASE AND DIABETES--
UNDERLYING CAUSE AND MENTIONED CONDITIONS BY AGE GROUP AND SEX
1982

AGE	SEX	# OF DEATHS	ATHEROSCLEROSIS (440)			HYPERTENSIVE DISEASE (401-405)			DIABETES MELLITUS (250)		
			UNDERLYING CAUSE	MENTIONED COND.	TOTAL % OF DEATHS	UNDERLYING CAUSE	MENTIONED COND.	TOTAL % OF DEATHS	UNDERLYING CAUSE	MENTIONED COND.	TOTAL % OF DEATHS
0-39	MALE	2,089	1	2	3 0.1	1	15	16 0.8	5	16	21 1.0
	FEMALE	1,079	0	1	0 0	0	3	3 0.3	9	8	17 1.6
	TOTAL	3,169	1	3	4 0.1	1	18	19 0.5	14	24	38 1.2
40-49	MALE	1,040	0	14	14 1.3	9	34	43 4.1	14	43	57 5.5
	FEMALE	599	2	7	9 1.5	4	24	28 4.7	11	15	26 4.3
	TOTAL	1,639	2	21	23 1.4	13	58	71 4.3	25	58	83 5.1
50-59	MALE	3,011	5	67	72 2.4	24	118	142 4.7	40	127	167 5.5
	FEMALE	1,779	2	24	26 1.5	9	58	67 3.8	38	92	130 7.3
	TOTAL	4,790	7	91	98 2.0	33	176	209 4.4	78	219	297 6.2
60-69	MALE	6,037	18	214	232 3.8	50	271	321 5.3	99	353	452 7.5
	FEMALE	3,951	10	96	106 2.7	43	207	250 6.3	109	303	412 10.4
	TOTAL	9,988	28	310	338 3.4	93	478	571 5.7	208	656	864 8.7

TABLE C-9 (continued)
ARTHEROSCLEROSIS, HYPERTENSIVE DISEASE AND DIABETES--
UNDERLYING CAUSE AND MENTIONED CONDITIONS BY AGE GROUP AND SEX
1982

AGE	SEX	# OF DEATHS	ATHEROSCLEROSIS (440)			HYPERTENSIVE DISEASE (401-405)			DIABETES MELLITUS (250)		
			UNDER-LYING CAUSE	MEN-TIONED COND.	TOTAL % OF DEATHS	UNDER-LYING CAUSE	MEN-TIONED COND.	TOTAL % OF DEATHS	UNDER-LYING CAUSE	MEN-TIONED COND.	TOTAL % OF DEATHS
70-79	MALE	7,390	41	337	378 5.1	63	304	367 5.0	118	445	563 7.6
	FEMALE	6,689	65	321	386 5.8	85	447	532 8.0	169	544	713 10.7
	TOTAL	14,079	106	658	764 5.4	148	751	899 6.4	287	989	1,276 9.1
80 & OVER	MALE	6,821	179	461	640 9.4	72	214	286 4.2	81	318	399 5.8
	FEMALE	12,373	370	1,118	1,488 12.0	212	688	900 7.3	224	731	955 7.7
	TOTAL	19,194	549	1,579	2,128 11.1	284	902	1,186 6.2	305	1,049	1,354 7.1
TOTAL	MALE	26,395	244	1,095	1,339 2.8	219	956	1,175 4.5	357	1,302	1,659 6.3
TOTAL	FEMALE	26,472	449	1,567	2,016 4.0	353	1,427	1,780 7.3	560	1,693	2,253 8.5
GRAND	TOTAL*	52,868	693	2,662	3,355 6.4	572	2,383	2,955 5.6	917	2,995	3,912 7.4

*TOTAL INCLUDES ONE DEATH OF UNKNOWN SEX AND NINE OF UNKNOWN AGE.

TABLE C-10
SUICIDES BY SEX AND AGE, MASSACHUSETTS RESIDENTS
1982

		TOTAL	10-14	15-19	20-29	30-39	40-49	50-59	60-69	70-79	80+
POISONING BY SOLID OR LIQUID SUBSTANCE (E950)	M	29	1	0	10	7	4	6	1	0	0
	F	36	0	1	9	8	5	5	7	0	1
	T	65	1	1	19	15	9	11	8	0	1
	%	12.1	33.3	3.3	12.7	13.5	13.4	16.4	11.9	0	4.8
POISONING BY GASES AND VAPORS (NOT DOMESTIC GAS)(E952)	M	41	0	4	9	8	7	8	3	0	2
	F	23	0	2	3	7	4	2	4	0	1
	T	64	0	6	12	15	11	10	7	0	3
	%	11.9		20.0	8.0	13.5	16.4	14.9	10.4		14.2
HANGING, STRANGULATION AND SUFFOCATION (E953)	M	154	1	9	52	25	16	19	18	7	7
	F	29	1	0	4	2	6	5	8	2	1
	T	183	2	9	56	27	22	24	26	9	8
	%	34.0	67.6	30.0	37.3	24.3	32.8	35.8	38.8	40.9	38.1
SUBMERSION (DROWNING) (E954)	M	14	0	0	6	0	0	2	3	2	1
	F	11	0	0	1	4	1	2	1	2	0
	T	25	0	0	7	4	1	4	4	4	1
	%	4.7			4.7	3.6	1.5	6.0	6.0	18.2	4.8
FIREARMS AND EXPLOSIVES (E955)	M	135	0	12	36	33	16	11	12	7	8
	F	12	0	0	3	3	4	0	1	1	0
	T	147	0	12	39	36	20	11	13	8	8
	%	27.3		40.0	26.0	32.5	29.9	16.4	19.4	36.4	38.1
CUTTING AND PIERCING INSTRUMENTS (E956)	M	10	0	0	2	4	1	1	1	1	0
	F	2	0	0	0	1	0	1	0	0	0
	T	12	0	0	2	5	1	2	1	1	0
	%	2.2			1.3	4.5	1.5	3.0	1.5	4.5	
JUMPING FROM HIGH PLACES (E957)	M	18	0	1	6	4	2	2	4	0	0
	F	8	0	1	1	2	1	1	1	0	0
	T	26	0	2	7	6	3	3	5	0	0
	%	4.8		6.7	4.7	5.4	4.5	4.5	7.5		
OTHER AND UNSPECIFIED MEANS (E958)	M	12	0	0	5	2	0	2	3	0	0
	F	4	0	0	3	1	0	0	0	0	0
	T	16	0	0	8	3	0	2	3	0	0
	%	3.0			5.3	2.7		3.0	4.5		
ALL SUICIDES	M	414	2	26	126	83	46	51	45	17	18
	F	124	1	4	24	28	21	16	22	5	3
	T	538	3	30	150	111	67	67	67	22	21
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE C-11
MOTOR VEHICLE ACCIDENTS BY TYPE, MASSACHUSETTS RESIDENTS
1982

		- VICTIM -							
TYPE OF ACCIDENT		DRIVER	PASSENGER	MOTORCYCLIST	PASSENGER, MOTORCYCLIST	PEDESTRIAN	PEDAL CYCLIST	UNSPEC-IFIED	TOTAL
COLLISION WITH TRAIN (E810)	M	0	0	0	0	0	0	0	0
	F	0	1	0	0	0	0	0	1
	T	0	1	0	0	0	0	0	1
	%	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.1
COLLISION WITH ANOTHER MOTOR VEHICLE (E812)	M	77	36	21	2	0	0	12	148
	F	34	23	0	3	0	0	7	67
	T	111	59	21	5	0	0	19	215
	%	38.6	43.1	40.4	55.6	0.0	0.0	33.3	30.1
COLLISION WITH ANOTHER VEHICLE (E813)	M	0	0	0	0	0	11	0	11
	F	0	0	0	0	0	4	0	4
	T	0	0	0	0	0	15	0	15
	%	0.0	0.0	0.0	0.0	0.0	100.0	0.0	2.1
MOTOR VEHICLE WITH PEDESTRIAN (E814)	M	0	0	0	0	108	0	0	108
	F	0	0	0	0	47	0	0	47
	T	0	0	0	0	155	0	0	155
	%	0.0	0.0	0.0	0.0	99.4	0.0	0.0	21.8
OTHER MOTOR VEHICLE ACCIDENT HIGHWAY COLLISION (E815)	M	91	44	17	1	0	0	9	162
	F	20	17	0	0	0	0	0	37
	T	111	61	17	1	0	0	9	199
	%	38.6	44.5	32.7	11.1	0.0	0.0	15.9	28.0
LOST CONTROL WITHOUT COLLISION (E816)	M	42	9	10	1	0	0	7	69
	F	14	3	0	1	0	0	1	19
	T	56	12	10	2	0	0	8	88
	%	19.4	8.8	19.2	22.2	0.0	0.0	14.0	12.3
OTHER NON-COLLISION MOTOR VEHICLE (E818)	M	1	2	3	0	0	0	1	7
	F	1	1	0	1	0	0	1	4
	T	2	3	3	1	0	0	2	11
	%	0.7	2.2	5.8	11.1	0.0	0.0	3.5	1.5
MOTOR VEHICLE OF UNSPECIFIED NATURE (E819)	M	5	0	1	0	0	0	12	18
	F	1	1	0	0	0	0	7	9
	T	6	1	1	0	0	0	19	27
	%	2.1	0.7	1.9	0.0	0.0	0.0	33.3	3.8

TABLE C-11 (continued)
MOTOR VEHICLE ACCIDENTS BY TYPE, MASSACHUSETTS RESIDENTS
1982

		- VICTIM -							
TYPE OF ACCIDENT		DRIVER	PASSENGER	MOTORCYCLIST	PASSENGER, MOTORCYCLIST	PEDESTRIAN	PEDAL CYCLIST	UNSPECIFIED	TOTAL
OTHER MOTOR VEHICLE NONTRAFFIC COLLISION WITH MOVING OBJECT (E822)	M	1	0	0	0	0	0	0	1
	F	0	0	0	0	0	0	0	0
	T	1	0	0	0	0	0	0	1
	%	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1
OTHER MOTOR VEHICLE NONTRAFFIC COLLISION WITH STATIONARY OBJECT (E823)	M	0	0	0	0	0	0	0	0
	F	1	0	0	0	0	0	0	1
	T	1	0	0	0	0	0	0	1
	%	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1
OTHER MOTOR VEHICLE NONTRAFFIC OTHER & UNSPECIFIED NATURE(E825)	M	0	0	0	0	1	0	0	1
	F	0	0	0	0	0	0	0	0
	T	0	0	0	0	1	0	0	1
	%	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.1
TOTAL	M	217	91	52	4	109	11	41	525
	F	71	46	0	5	47	4	16	189
	T	288	137	52	9	156	15	57	714
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE C-12
MEDICAL EXAMINER CERTIFIED DEATHS BY CAUSE, SEX, RACE AND AGE, MASSACHUSETTS OCCURRENCE
1982

AGE	RACE/SEX	- CAUSE -							
		MOTOR VEHICLE ACCIDENTS (810-823)	ALL OTHER ACCIDENTS (800-807, 825-949)	SUICIDE (950-959)	HOMICIDE (960-969)	LGL INTERVENTION/ UNDET INJURY (970-999)	NON-VIOLENT CAUSES (000-778)	ILL-DEF AND UNK CAUSES (780-796)	TOTAL DEATHS CERT. BY M.E.
TOTAL	WHITE M	488	505	397	119	44	6,520	94	8,167
	WHITE F	175	271	122	47	6	4,758	69	5,448
	NON-W M	22	31	11	50	12	189	20	335
	NON-W F	13	11	3	9	1	114	12	163
	TOTAL	698	818	533	225	63	11,581	195	14,113
<1	WHITE M	0	3	0	1	0	29	41	74
	WHITE F	1	5	0	1	0	24	30	61
	NON-W M	0	0	0	0	1	6	9	16
	NON-W F	0	0	0	0	0	5	5	10
	TOTAL	1	8	0	2	1	64	85	161
1-4	WHITE M	3	12	3	2	0	10	3	31
	WHITE F	4	8	0	3	0	12	1	28
	NON-W M	1	1	0	0	0	0	1	3
	NON-W F	1	0	0	1	0	3	0	5
	TOTAL	9	21	0	7	0	25	5	67
5-9	WHITE M	5	9	0	2	1	5	0	22
	WHITE F	5	5	0	1	0	2	0	13
	NON-W M	2	1	0	0	0	0	0	3
	NON-W F	2	1	0	1	0	1	0	5
	TOTAL	14	16	0	4	1	8	0	43
10-14	WHITE M	11	11	2	0	0	3	1	28
	WHITE F	6	5	1	0	0	7	0	19
	NON-W M	0	2	0	0	0	2	0	4
	NON-W F	1	1	0	0	0	0	0	2
	TOTAL	18	19	3	0	0	12	1	53
15-19	WHITE M	116	35	23	11	4	18	3	210
	WHITE F	28	5	4	9	0	8	4	58
	NON-W M	3	3	1	10	0	1	1	19
	NON-W F	2	1	0	1	0	1	0	5
	TOTAL	149	44	28	31	4	28	8	292
20-29	WHITE M	170	91	121	39	13	51	11	496
	WHITE F	44	13	22	9	0	38	8	134
	NON-W M	7	10	1	16	6	9	3	52
	NON-W F	2	1	1	1	1	4	1	11
	TOTAL	223	115	145	65	20	102	23	693
30-39	WHITE M	64	64	81	24	12	121	15	381
	WHITE F	21	12	25	10	2	56	5	131
	NON-W M	5	2	2	11	1	16	2	39
	NON-W F	2	1	1	2	0	6	1	13
	TOTAL	92	79	109	47	15	199	23	564
40-44	WHITE M	15	24	24	11	5	159	8	246
	WHITE F	3	5	9	3	1	44	3	68
	NON-W M	0	2	0	5	1	6	2	16
	NON-W F	0	0	0	1	0	6	1	8
	TOTAL	18	31	33	20	7	215	14	338
45-49	WHITE M	15	20	24	8	0	243	0	306
	WHITE F	7	5	14	1	0	89	3	119
	NON-W M	0	0	1	1	0	17	1	20
	NON-W F	0	3	1	1	0	8	1	14
	TOTAL	22	28	36	11	0	357	5	459

TABLE C-12 (continued)
MEDICAL EXAMINER CERTIFIED DEATHS BY CAUSE, SEX, RACE AND AGE, MASSACHUSETTS OCCURRENCE
1982

AGE	RACE/SEX	- CAUSE - MOTOR VEHICLE ACCIDENTS (810-823)	ALL OTHER ACCIDENTS (800-807, 825-949)	SUICIDE (950-959)	HOMICIDE (960-969)	LEG INTER-VENTION/ UNDET INJURY (970-999)	NON-VIOLENT CAUSES (000-778)	ILL-DEF AND UNK CAUSES (780-796)	TOTAL DEATHS CERT. BY M.E.
50-54	WHITE M	18	31	19	7	1	413	3	492
	WHITE F	8	10	9	3	0	144	2	176
	NON-W M	0	0	1	3	0	15	0	19
	NON-W F	0	1	0	0	0	7	2	10
	TOTAL	26	42	29	13	1	579	7	697
55-59	WHITE M	18	24	32	2	2	672	1	751
	WHITE F	6	12	7	1	0	235	0	261
	NON-W M	0	1	1	0	2	24	0	28
	NON-W F	0	0	0	0	0	8	0	8
	TOTAL	24	37	40	3	4	939	1	1,048
60-64	WHITE M	11	28	26	3	3	820	4	895
	WHITE F	4	13	11	1	0	380	5	414
	NON-W M	0	2	0	2	1	25	1	31
	NON-W F	1	0	0	1	0	5	1	8
	TOTAL	16	43	37	7	4	1,230	11	1,348
65-69	WHITE M	11	22	16	3	0	1,005	1	1,058
	WHITE F	9	13	11	2	2	526	2	565
	NON-W M	2	3	3	2	0	16	0	26
	NON-W F	2	1	0	0	0	15	0	18
	TOTAL	24	39	30	7	2	1,562	3	1,667
70-74	WHITE M	11	32	5	2	1	960	2	1,013
	WHITE F	7	22	1	1	0	644	2	677
	NON-W M	1	1	0	0	0	16	0	18
	NON-W F	0	0	0	0	0	11	0	11
	TOTAL	19	55	6	3	1	1,631	4	1,719
75-79	WHITE M	6	31	11	1	1	803	0	853
	WHITE F	14	30	5	1	1	690	1	742
	NON-W M	1	2	1	0	0	15	0	19
	NON-W F	0	0	0	0	0	10	0	10
	TOTAL	21	63	17	2	2	1,518	1	1,624
80+	WHITE M	13	66	17	1	0	1,207	1	1,305
	WHITE F	8	108	3	1	0	1,858	3	1,981
	NON-W M	0	1	0	0	0	21	0	22
	NON-W F	0	1	0	0	0	24	0	25
	TOTAL	21	176	20	2	0	3,110	4	3,333
UNKWN	WHITE M	1	2	0	1	1	1	0	6
	WHITE F	0	0	0	0	0	1	0	1
	NON-W M	0	0	0	0	0	0	0	0
	NON-W F	0	0	0	0	0	0	0	0
	TOTAL	1	2	0	1	1	2	0	[illegible]

TABLE C-13
MEDICAL EXAMINER CERTIFIED DEATHS BY COUNTY
1982

COUNTY	POPULATION NUMBER/ PERCENT/ RANK	OCCURRENCE DEATHS NUMBER/ PERCENT/ RANK	MEDICAL EXAMINER NUMBER/ PERCENT/ RANK	% OF OCCURRENCE DEATHS	REFERRED BUT NOT CERTIFIED BY MED. EXAMINER	NONVIOLENT DEATHS CERTIFIED BY MED. EXAMINER	% OF MEDICAL EXAMINER DEATHS NON-VIOLENT
BARNSTABLE	147,925 2.6 9	1,777 3.3 9	608 4.3 9	34%	30	519	85%
BERKSHIRE	145,110 2.5 10	1,515 2.8 10	419 3.0 10	28%	65	352	84%
BRISTOL	474,641 8.3 6	4,185 7.8 7	1,423 10.1 4	34%	71	1,251	88%
DUKES	8,942 0.2 13	89 0.2 13	21 0.1 13	24%	0	16	76%
ESSEX	633,632 11.0 4	5,879 11.0 4	1,630 11.6 3	28%	67	1,382	85%
FRANKLIN	64,317 1.1 11	479 0.9 12	126 0.9 12	26%	11	9	71%
HAMPDEN	443,018 7.7 7	4,573 8.5 5	1,411 10.0 5	31%	156	1,171	83%
HAMPSHIRE	138,813 2.4 12	818 1.6 11	221 1.6 11	27%	55	173	78%

TABLE C-13 (continued)
MEDICAL EXAMINER CERTIFIED DEATHS BY COUNTY
1982

COUNTY	POPULATION NUMBER/ PERCENT/ RANK	OCCURRENCE DEATHS NUMBER/ PERCENT/ RANK	MEDICAL EXAMINER NUMBER/ PERCENT/ RANK	% OF OCCURRENCE DEATHS	REFERRED BUT NOT CERTIFIED BY MED. EXAMINER	NONVIOLENT DEATHS CERTIFIED BY MED. EXAMINER	% OF MEDICAL EXAMINER DEATHS NON-VIOLENT
MIDDLESEX	1,367,034 23.8 1	10,843 20.2 1	3,299 23.4 1	30%	590	2,831	86%
NANTUCKET	5,087 0.1 14	52 0.1 14	11 -- 14	21%	0	9	82%
NORFOLK	606,587 10.6 5	4,395 8.2 6	1,042 7.4 7	24%	268	855	82%
PLYMOUTH	405,437 7.1 8	3,022 5.6 8	1,189 8.4 6	39%	47	1,040	88%
SUFFOLK	650,142 11.3 2	10,090 18.8 2	999 7.1 8	10%	2,130	452	45%
WORCESTER	646,352 11.3 3	5,909 11.0 3	1,714 12.1 2	29%	219	1,441	84%
TOTAL	5,737,037 100.0 NA	53,636 100.0 NA	14,113 100.0 NA	26%	3,709	11,581	82%

TABLE C-14A
SELECTED CAUSES OF DEATH BY CITY AND TOWN OF RESIDENCE
1982

	HEART DISEASES (390-398, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
ABINGTON	58	29	5	1	3	6	4	2	3	0	1	20	132
ACTON	34	16	6	3	2	4	3	0	1	0	3	11	83
ACUSHNET	29	18	10	1	2	2	3	2	2	2	0	8	79
ADAMS	48	35	9	3	1	7	5	2	1	4	1	16	132
AGAWAM	83	59	10	7	5	8	2	4	5	2	2	26	213
ALFORD	1	1	0	1	0	0	0	0	0	0	0	2	5
AMESBURY	62	26	8	1	4	2	4	2	0	5	1	14	129
AMHERST	22	18	8	3	3	4	4	1	0	1	0	13	77
ANDOVER	74	34	11	5	1	5	7	0	3	1	3	22	166
ARLINGTON	181	116	37	4	12	17	8	7	8	6	1	77	474
ASHBURNHAM	9	4	5	0	0	1	2	0	0	0	0	4	25
ASHBY	12	5	1	1	1	0	3	1	1	0	0	3	28
ASHFIELD	5	1	2	0	0	1	0	0	0	0	0	3	12
ASHLAND	19	17	3	2	0	2	2	1	2	0	1	7	56
ATHOL	42	28	11	2	2	4	3	1	3	4	3	21	124
ATTLEBORO	113	65	38	5	4	12	6	3	3	3	5	26	283
AUBURN	51	41	11	0	3	5	1	2	4	1	0	17	136
AVON	5	11	6	0	1	0	0	1	0	0	1	7	32
AYER	20	9	4	2	0	2	2	2	2	0	0	9	52
BARNSTABLE	122	101	36	7	7	15	7	8	6	10	1	63	383
BARRE	14	7	2	1	0	1	0	1	0	1	0	4	31
BECKET	0	2	1	0	0	0	0	1	0	0	0	2	6
BEDFORD	19	22	5	2	2	1	0	3	1	1	1	20	77
BELCHERTOWN	19	11	3	4	1	2	4	3	0	0	0	10	57
BELLINGHAM	28	20	4	5	0	0	3	3	3	0	1	11	78
BELMONT	108	65	23	1	6	11	7	6	4	2	1	40	274
BERKLEY	6	4	1	0	0	1	3	0	0	0	0	4	19
BERLIN	6	3	2	0	0	0	2	0	0	0	0	0	13
BERNARDSTON	7	3	1	0	0	0	0	0	1	0	0	3	15
BEVERLY	141	90	18	2	3	11	18	20	3	4	3	56	369
BILLERICA	68	56	17	7	4	3	11	5	3	3	5	24	206
BLACKSTONE	35	11	1	0	0	0	0	2	0	0	0	4	53
BLANDFORD	5	1	0	0	0	0	0	0	0	0	0	3	9
BOLTON	6	4	2	0	0	0	2	0	0	0	0	2	16
BOSTON	2254	1227	309	68	142	233	102	111	100	49	66	1040	5701
BOURNE	59	45	8	3	3	3	7	2	4	0	1	23	158
BOXBOROUGH	1	2	0	1	0	0	1	0	0	0	0	2	7
BOXFORD	9	7	0	0	1	1	1	0	1	0	1	5	26
BOYLSTON	14	10	1	0	0	0	1	0	0	0	0	6	32
BRAINTREE	158	100	36	0	7	14	15	8	3	3	4	50	398

BREWSTER	23	21	3	0	1	1	2	0	0	1	0	7	59
BRIDGEWATER	36	18	11	3	1	3	4	0	3	0	0	16	95
BRIMFIELD	11	7	3	0	1	0	0	0	0	0	0	2	24
BROCKTON	403	185	69	10	15	46	27	7	15	1	12	126	916
BROOKFIELD	11	8	0	1	0	1	0	1	0	0	1	2	25
BROOKLINE	213	152	38	2	15	17	9	8	4	4	6	87	555
BUCKLAND	6	0	3	0	1	0	0	0	0	0	0	3	13
BURLINGTON	44	40	7	2	5	1	2	1	4	0	1	10	117
CAMBRIDGE	335	194	44	7	16	31	19	6	13	3	8	109	785
CANTON	62	35	14	3	2	7	6	3	2	2	3	15	154
CARLISLE	3	3	2	1	0	0	1	0	0	0	1	2	13
CARVER	19	16	2	1	0	1	1	0	0	0	0	3	43
CHARLEMONT	4	4	0	0	0	1	0	0	0	0	1	2	12
CHARLTON	28	12	8	0	2	3	3	1	0	4	0	3	64
CHATHAM	33	22	5	3	0	2	4	2	3	8	1	13	96
CHELMSFORD	70	67	15	1	2	4	3	5	7	5	4	21	204
CHELSEA	123	80	20	4	7	7	15	12	8	4	6	51	337
CHESHIRE	7	2	0	0	0	1	0	0	0	0	1	5	16
CHESTER	5	1	2	0	0	1	0	0	0	0	0	1	10
CHESTERFIELD	2	1	0	0	0	0	0	0	0	0	0	2	5
CHICOPEE	214	134	40	5	15	19	19	6	10	4	2	72	540
CHILMARK	0	1	0	0	1	0	1	0	0	0	0	1	4
CLARKSBURG	5	2	0	0	0	0	2	1	0	1	1	0	12
CLINTON	51	23	11	4	1	3	1	1	2	1	2	23	123
COHASSET	32	14	3	0	4	1	1	0	0	1	0	12	68
COLRAIN	1	4	1	0	0	0	0	0	0	1	0	2	9
CONCORD	46	30	21	3	3	4	5	1	1	1	1	14	130
CONWAY	3	3	3	0	0	0	0	1	0	0	0	2	12
CUMMINGTON	3	3	1	1	0	0	0	0	0	0	0	0	8
DALTON	20	18	2	0	1	3	1	0	1	1	0	8	55
DANVERS	93	53	10	2	3	11	4	0	4	2	1	27	210
DARTMOUTH	94	45	25	3	1	4	3	3	2	4	1	28	213
DEDHAM	88	59	16	5	3	2	1	2	1	2	2	28	209
DEERFIELD	14	12	1	1	1	1	1	0	0	0	2	5	38
DENNIS	68	41	14	2	4	2	10	2	4	5	0	20	172
DIGHTON	16	15	2	2	0	1	3	0	1	0	0	8	48
DOUGLAS	13	7	2	1	0	1	1	0	0	0	0	0	25
DOVER	10	5	5	2	0	1	1	1	0	1	1	5	32
DRACUT	62	49	7	3	2	3	5	4	0	1	2	21	159
DUDLEY	34	8	0	2	1	2	1	1	0	1	0	8	58
DUNSTABLE	3	4	0	0	1	0	0	0	0	0	0	2	10
DUXBURY	43	13	4	3	1	1	1	2	1	0	3	11	83
EAST BRIDGEWATER	32	10	6	2	1	5	3	2	0	0	1	7	69
EAST BROOKFIELD	4	2	1	0	0	1	0	2	1	0	0	1	12
EAST LONGMEADOW	48	23	8	2	1	5	6	3	0	2	2	10	110
EASTHAM	16	12	2	2	2	2	1	0	0	0	0	3	40
EASTHAMPTON	54	35	10	0	1	5	4	0	0	1	2	21	133
EASTON	44	33	6	0	4	6	4	4	1	1	1	10	114
EDGARTOWN	9	5	5	0	0	1	0	0	0	1	1	1	23
EGREMONT	6	2	2	0	1	1	1	0	0	0	0	2	15

TABLE C-14A (CONTINUED)
SELECTED CAUSES OF DEATH BY CITY AND TOWN OF RESIDENCE
1982

	HEART DISEASES (390-398, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
ERVING	4	3	1	0	0	0	0	0	0	0	0	2	10
ESSEX	11	6	1	1	1	2	1	0	0	0	2	2	27
EVERETT	148	100	26	5	12	10	17	7	12	4	1	65	407
FAIRHAVEN	97	46	20	2	3	4	4	4	2	1	0	21	204
FALL RIVER	461	264	114	8	16	12	11	26	10	23	12	114	1071
FALMOUTH	111	74	33	3	2	13	5	4	0	6	2	39	292
FITCHBURG	157	89	29	5	7	17	9	7	4	5	4	62	395
FLORIDA	1	1	0	0	0	0	0	0	1	0	0	0	3
FOXBOROUGH	44	27	12	1	0	2	1	1	1	1	0	11	101
FRAMINGHAM	217	132	46	5	11	22	17	12	15	6	6	78	567
FRANKLIN	57	44	6	4	1	4	4	1	4	0	3	19	147
FREETOWN	12	9	0	2	1	1	0	0	0	1	0	7	33
GARDNER	69	54	17	2	4	6	3	5	3	4	2	38	207
GAY HEAD	1	0	0	0	0	0	0	0	0	1	0	0	2
GEORGETOWN	11	11	4	1	0	0	0	0	0	3	0	3	33
GILL	3	1	0	0	0	2	0	0	0	0	0	1	7
GLOUCESTER	120	79	22	7	5	10	11	3	4	2	1	48	312
GOSHEN	1	0	0	0	0	0	0	0	0	0	0	1	2
GOSNOLD	0	0	0	0	1	0	0	0	0	0	0	1	2
GRAFTON	34	12	5	2	1	2	2	2	0	2	1	16	79
GRANBY	14	12	1	3	1	1	2	1	1	1	1	6	44
GRANVILLE	5	2	0	0	0	0	0	0	0	0	0	1	8
GREAT BARRINGTON	33	24	8	3	1	3	6	1	1	2	0	16	98
GREENFIELD	72	48	15	2	7	10	9	1	2	7	5	29	207
GROTON	10	12	1	1	0	1	1	0	1	0	1	10	38
GROVELAND	12	6	2	1	0	0	0	0	0	1	1	5	28
HADLEY	23	4	2	1	1	2	2	1	0	0	2	7	45
HALIFAX	16	9	3	3	1	0	1	0	2	0	2	4	41
HAMILTON	15	11	3	1	0	3	3	2	0	0	1	3	42
HAMPDEN	13	8	3	1	1	1	0	0	0	0	0	3	30
HANCOCK	2	0	0	0	1	0	0	0	0	0	0	1	4
HANOVER	18	23	3	1	4	3	1	0	0	1	1	5	60
HANSON	25	8	3	0	2	0	2	1	1	0	0	11	53
HARDWICK	9	8	3	1	1	2	1	0	0	0	0	4	29
HARVARD	11	4	3	2	2	0	0	1	1	1	0	4	29
HARWICH	42	35	15	1	3	1	1	4	1	12	2	11	128
HATFIELD	10	13	2	0	2	1	4	1	0	0	1	3	37
HAVERHILL	211	110	31	7	11	15	6	10	6	13	5	80	505
HAWLEY	0	0	0	0	0	0	0	0	0	0	0	0	0
HEATH	0	0	0	0	0	0	0	1	0	0	0	0	1

HINGHAM	47	37	16	1	4	10	3	6	2	3	3	18	150
HINSDALE	7	6	0	1	0	0	0	1	1	0	1	4	21
HOLBROOK	37	22	5	0	0	3	1	1	2	1	1	15	88
HOLDEN	40	45	10	0	1	2	4	1	0	1	1	18	123
HOLLAND	6	5	0	1	1	0	0	0	0	0	0	2	15
HOLLISTON	20	13	4	3	3	2	1	1	1	0	0	4	52
HOLYOKE	234	124	53	5	17	13	16	9	12	9	4	80	576
HOPEDALE	17	11	1	0	1	3	0	0	0	0	0	3	36
HOPKINTON	22	17	0	1	0	2	1	2	1	0	1	5	52
HUBBARDSTON	1	3	1	1	0	1	0	2	0	0	0	1	10
HUDSON	47	27	6	3	3	3	5	2	0	0	1	17	114
HULL	40	16	4	0	5	0	0	0	0	0	3	6	74
HUNTINGTON	2	1	1	0	1	1	1	0	0	0	0	2	9
IPSWICH	45	19	10	4	2	5	3	1	3	1	1	15	109
KINGSTON	23	25	9	0	0	3	1	0	0	1	1	9	72
LAKEVILLE	21	14	2	4	1	0	0	0	1	0	0	3	46
LANCASTER	7	7	2	0	1	1	1	1	1	0	1	3	25
LANESBOROUGH	8	4	2	0	1	0	2	0	0	0	0	4	21
LAWRENCE	298	150	64	10	13	26	16	16	9	12	8	84	706
LEE	21	12	5	0	1	3	5	1	0	2	0	7	57
LEICESTER	21	17	7	2	0	1	4	2	1	0	0	14	69
LENOX	33	18	6	1	2	4	1	1	0	2	0	13	81
LEOMINSTER	116	54	30	3	2	9	5	3	5	1	1	31	260
LEVERETT	4	2	1	0	0	0	0	0	0	0	1	0	8
LEXINGTON	83	66	14	1	4	11	2	3	2	2	1	29	218
LEYDEN	1	1	0	0	0	0	0	0	0	0	0	0	2
LINCOLN	8	10	2	1	3	1	1	0	0	0	0	7	33
LITTLETON	18	12	2	1	0	2	0	2	0	1	1	9	48
LONGMEADOW	58	31	11	2	1	7	4	5	0	3	4	19	145
LOWELL	403	255	66	10	21	15	47	32	10	50	10	131	1050
LUDLOW	62	47	12	2	1	3	4	1	0	2	1	9	144
LUNENBURG	25	10	3	0	2	1	1	1	1	1	1	7	53
LYNN	402	209	77	13	22	17	38	9	16	4	9	126	942
LYNNFIELD	27	23	2	0	0	3	0	1	0	0	0	6	62
MALDEN	233	131	31	9	8	18	19	16	10	7	3	89	574
MANCHESTER	20	4	1	0	0	2	2	2	0	1	1	3	36
MANSFIELD	37	28	6	1	1	2	1	1	1	2	1	12	93
MARBLEHEAD	77	61	17	2	2	3	5	1	2	4	1	18	193
MARION	12	12	2	0	0	1	0	0	0	2	1	6	36
MARLBOROUGH	93	72	19	4	4	11	6	4	1	0	2	41	257
MARSHFIELD	50	34	10	4	6	4	8	0	6	0	2	23	147
MASHPEE	18	4	2	2	0	1	2	2	0	0	1	11	43
MATTAPOISETT	30	10	3	0	2	1	1	0	0	0	2	5	54
MAYNARD	41	24	10	0	2	0	4	5	2	3	1	12	104
MEDFIELD	29	15	3	2	1	2	0	2	0	1	1	5	61
MEDFORD	267	147	29	11	17	16	12	10	6	5	5	79	604
MEDWAY	20	22	3	1	2	1	4	1	0	1	0	9	64
MELROSE	146	56	30	1	3	12	14	3	7	6	1	28	307
MENDON	8	6	1	0	1	0	2	0	0	0	0	6	24
MERRIMAC	10	8	2	1	0	1	0	0	0	0	0	7	29

TABLE C-14A (CONTINUED)
SELECTED CAUSES OF DEATH BY CITY AND TOWN OF RESIDENCE
1982

	HEART DISEASES (390-398, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
METHUEN	143	92	30	3	4	11	6	5	4	3	5	35	341
MIDDLEBOROUGH	76	30	11	1	6	6	3	3	3	1	0	17	157
MIDDLEFIELD	2	0	0	0	0	0	0	0	0	0	0	1	3
MIDDLETON	11	5	1	3	1	0	1	0	0	0	0	6	28
MILFORD	82	38	16	3	3	10	7	8	3	4	2	33	209
MILLBURY	41	26	7	1	2	5	4	1	1	1	2	15	106
MILLIS	21	9	2	3	0	1	1	1	1	0	0	11	50
MILLVILLE	1	0	1	0	1	0	0	0	0	0	0	1	4
MILTON	122	85	18	0	7	6	4	6	5	4	3	55	315
MONROE	1	0	0	0	0	0	1	0	0	0	0	0	2
MONSON	22	8	1	3	0	1	0	1	1	0	2	6	45
MONTAGUE	27	22	4	0	3	6	2	2	1	1	3	6	77
MONTERY	4	2	0	0	0	0	0	0	0	0	0	0	6
MONTGOMERY	1	2	0	0	0	1	0	0	0	0	0	1	5
MOUNT WASHINGTON	0	0	0	0	0	0	0	0	0	0	0	1	1
NAHANT	15	13	4	0	0	3	1	2	0	1	0	10	49
NANTUCKET	22	11	3	1	0	4	1	2	2	1	0	5	52
NATICK	83	68	18	2	3	12	5	4	3	1	6	41	246
NEEDHAM	91	58	20	4	7	7	4	0	2	3	1	32	229
NEW ASHFORD	0	0	1	0	0	0	0	0	0	0	0	0	1
NEW BEDFORD	474	263	109	10	13	27	34	12	15	20	6	135	1118
NEW BRAINTREE	1	2	0	0	0	0	1	0	0	0	0	1	5
NEW MARLBOROUGH	2	2	0	0	0	0	0	0	0	0	1	2	7
NEW SALEM	1	2	0	0	0	0	0	0	0	1	0	0	4
NEWBURY	9	7	4	0	1	2	1	1	0	2	1	4	32
NEWBURYPORT	60	26	17	0	1	5	4	2	4	4	1	33	157
NEWTON	309	177	54	8	26	27	19	10	7	2	1	113	753
NORFOLK	11	10	2	1	1	2	1	1	0	0	0	5	34
NORTH ADAMS	81	44	21	2	4	5	5	1	1	2	2	32	200
NORTH ANDOVER	65	39	18	1	1	5	8	0	1	7	2	15	162
NORTH ATTLEBORO	69	55	18	1	0	11	3	0	0	0	2	13	172
NORTH BROOKFIELD	10	5	6	1	1	0	0	1	1	0	1	8	34
NORTH READING	20	17	3	2	2	1	4	2	0	1	2	10	64
NORTHAMPTON	118	60	24	1	5	15	5	2	7	5	3	40	285
NORTHBOROUGH	15	15	7	0	0	3	2	0	1	0	2	15	60
NORTHBRIDGE	49	17	9	1	2	5	2	1	0	3	1	10	100
NORTHFIELD	11	4	0	0	2	0	1	0	0	0	0	1	19
NORTON	32	18	7	3	3	2	1	0	1	0	0	7	74
NORWELL	30	18	2	1	3	0	0	1	1	0	1	11	68
NORWOOD	113	55	30	3	4	11	13	4	5	3	3	41	285

OAK BLUFFS	9	5	2	0	0	3	2	0	0	1	0	3	25
OAKHAM	2	4	1	0	0	0	0	0	0	0	0	0	7
ORANGE	32	14	4	7	2	4	3	3	0	5	1	10	85
ORLEANS	39	18	7	0	2	3	3	1	1	3	1	5	83
OTIS	3	2	0	0	0	2	0	0	1	0	0	3	11
OXFORD	38	17	2	0	2	3	1	1	0	0	0	13	77
PALMER	53	29	6	1	0	8	2	2	0	0	1	17	119
PAXTON	13	8	0	4	0	1	3	1	0	0	0	6	36
PEABODY	164	94	22	7	7	5	9	9	4	1	9	60	391
PELHAM	1	0	2	0	0	1	0	0	0	0	0	2	6
PEMBROKE	26	16	8	2	2	2	3	1	3	2	1	14	80
PEPPERELL	19	11	4	3	1	2	1	1	2	1	1	5	51
PERU	1	0	0	0	0	0	0	1	0	0	0	0	2
PETERSHAM	0	1	0	1	0	0	0	0	0	0	0	0	2
PHILLIPSTON	2	1	0	0	0	1	0	0	0	0	1	1	6
PITTSFIELD	191	123	44	5	14	18	18	11	15	10	7	77	533
PLAINFIELD	1	0	0	0	0	0	0	0	0	0	0	0	1
PLAINVILLE	23	19	6	0	0	2	0	0	0	0	0	10	60
PLYMOUTH	136	77	25	7	4	9	14	8	7	1	3	34	325
PLYMPTON	3	3	0	0	0	0	0	0	1	0	0	0	7
PRINCETON	4	3	2	0	0	0	0	0	0	0	0	0	9
PROVINCETOWN	16	12	4	2	2	1	0	1	1	2	0	6	47
QUINCY	417	244	58	11	16	36	27	10	13	5	8	151	996
RANDOLPH	107	68	13	4	3	6	7	4	2	1	2	32	249
RAYNHAM	25	14	6	0	1	1	1	3	2	0	0	7	60
READING	63	36	9	2	6	4	6	3	1	3	4	24	161
REHOBOTH	22	10	6	4	0	0	0	1	0	1	0	6	50
REVERE	183	113	31	2	12	15	18	6	7	1	3	62	453
RICHMOND	3	2	0	1	1	1	0	1	0	0	1	0	10
ROCHESTER	7	3	0	0	0	0	0	0	0	0	0	1	11
ROCKLAND	50	30	14	4	3	5	3	3	1	0	1	29	143
ROCKPORT	37	24	5	0	2	3	3	1	2	1	1	18	97
ROWE	2	0	0	0	0	0	0	0	0	0	0	0	2
ROWLEY	14	7	1	1	0	2	0	0	0	0	0	1	26
ROYALSTON	2	3	0	1	0	0	1	0	1	0	0	0	8
RUSSELL	7	2	1	0	0	0	0	0	0	0	0	1	11
RUTLAND	8	8	2	1	0	0	2	0	2	0	0	4	27
SALEM	176	96	27	3	5	12	9	7	8	7	1	68	419
SALISBURY	18	13	4	0	1	1	2	0	2	2	1	7	51
SANDISFIELD	4	5	0	0	0	0	0	0	0	0	0	3	12
SANDWICH	31	31	5	0	2	3	1	1	0	1	2	5	82
SAUGUS	86	47	11	2	8	4	9	5	0	1	2	20	195
SAVOY	3	0	0	0	0	0	0	0	0	0	0	3	6
SCITUATE	51	35	9	3	3	5	5	3	0	3	2	20	139
SEEKONK	26	26	8	2	0	1	2	4	2	0	1	20	92
SHARON	36	18	0	1	1	2	2	0	0	1	3	6	70
SHEFFIELD	8	8	0	1	0	0	1	0	0	1	0	4	23
SHELBURNE	9	4	3	1	0	1	0	0	0	0	1	2	21
SHERBORN	5	6	3	0	0	0	0	0	0	0	0	4	18
SHIRLEY	9	11	3	3	1	1	0	0	0	0	0	1	29

TABLE C-14A (CONTINUED)
SELECTED CAUSES OF DEATH BY CITY AND TOWN OF RESIDENCE
1982

	HEART DISEASES (390-398, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
SHREWSBURY	72	51	6	3	3	5	3	6	3	9	0	24	185
SHUTESBURY	2	1	0	0	0	1	0	0	0	0	0	0	4
SOMERSET	64	42	12	3	4	3	3	5	1	3	2	19	161
SOMERVILLE	319	164	51	4	20	34	28	19	24	7	5	108	783
SOUTH HADLEY	62	34	10	2	1	2	6	1	2	3	1	17	141
SOUTHAMPTON	6	4	1	0	1	0	2	0	1	0	0	0	15
SOUTHBOROUGH	12	7	2	1	3	2	1	0	2	0	1	4	35
SOUTHBRIDGE	110	47	15	1	5	4	4	2	3	2	4	30	227
SOUTHWICK	21	10	3	3	0	0	0	0	0	1	0	6	44
SPENCER	38	22	6	0	3	2	1	1	0	0	0	14	87
SPRINGFIELD	614	336	122	20	44	51	47	27	17	26	12	255	1571
STERLING	12	5	3	0	1	2	1	1	1	0	0	8	34
STOCKBRIDGE	11	4	4	2	0	1	2	1	0	0	0	3	28
STONEHAM	78	43	11	6	6	5	4	2	2	4	1	21	183
STOUGHTON	90	55	10	5	5	3	3	1	2	4	3	36	217
STOW	10	7	3	0	0	0	0	1	0	0	0	4	25
STURBRIDGE	16	8	5	0	1	0	2	1	0	1	0	3	37
SUDBURY	23	16	4	1	4	2	1	1	2	0	1	8	63
SUNDERLAND	7	2	1	0	0	1	0	0	0	0	0	1	12
SUTTON	12	13	3	2	0	0	1	1	0	1	0	2	35
SWAMPSCOTT	71	39	14	1	2	2	1	2	0	0	2	22	156
SWANSEA	55	28	10	1	1	3	3	4	1	1	2	18	127
TAUNTON	162	94	45	13	15	12	10	4	5	7	3	47	417
TEMPLETON	22	6	3	2	1	1	3	0	0	0	0	10	48
TEWKSBURY	45	34	12	0	2	3	8	6	4	9	0	12	135
TISBURY	17	9	1	1	2	1	1	0	0	0	0	5	37
TOLLAND	0	0	0	0	0	0	0	0	0	0	0	0	0
TOPSFIELD	11	6	3	0	1	3	0	0	1	0	1	2	28
TOWNSEND	15	6	2	1	1	0	3	1	1	0	1	9	40
TRURO	10	5	0	0	0	0	1	0	1	1	0	4	22
TYNGSBOROUGH	17	8	3	0	1	1	1	0	0	0	2	2	35
TRYINGHAM	0	1	0	0	0	0	0	0	0	0	0	0	1
UPTON	9	16	5	0	0	0	1	1	0	0	0	2	34
UXBRIDGE	23	32	3	0	2	6	2	3	1	0	1	12	85
WAKEFIELD	96	55	15	7	6	9	7	2	3	2	3	42	247
WALES	2	1	0	0	0	0	0	0	0	0	0	2	5
WALPOLE	51	32	6	1	1	5	1	1	0	4	1	14	117
WALTHAM	166	130	29	3	12	15	16	2	4	4	3	66	450
WARE	28	27	5	2	1	2	4	5	2	1	2	5	84
WAREHAM	78	41	13	2	1	5	7	1	1	2	1	18	170

WARREN	18	7	4	0	0	0	1	0	1	1	1	3	36
WARWICK	0	0	1	1	0	0	0	0	0	0	0	0	2
WASHINGTON	1	3	0	0	0	1	0	0	0	0	0	1	6
WATERTOWN	146	84	25	4	4	14	8	6	3	3	2	39	338
WAYLAND	27	17	6	1	4	1	4	0	2	1	2	9	74
WEBSTER	64	26	14	2	6	3	2	5	2	3	2	25	154
WELLESLEY	55	59	15	0	1	9	4	4	2	4	3	34	190
WELLFLEET	10	8	0	1	1	3	1	2	0	1	0	1	28
WENDELL	1	1	0	0	0	0	0	0	0	0	0	1	3
WENHAM	6	7	3	1	0	0	0	0	1	0	0	2	20
WEST BOYLSTON	30	12	2	0	2	0	1	0	1	0	0	9	57
WEST BRIDGEWATER	18	6	4	0	0	5	2	2	0	0	2	0	39
WEST BROOKFIELD	13	5	4	1	1	1	0	1	0	0	0	2	28
WEST NEWBURY	6	3	1	0	0	0	0	2	0	0	0	2	14
WEST SPRINGFIELD	105	68	24	4	7	9	6	10	1	6	3	30	273
WEST STOCKBRIDGE	4	2	2	0	0	1	1	0	0	0	0	0	10
WEST TISBURY	1	2	1	0	0	0	0	0	0	1	0	0	5
WESTBOROUGH	39	20	6	2	3	3	0	0	0	0	0	12	85
WESTFIELD	112	72	24	5	6	15	11	3	6	9	4	40	307
WESTFORD	23	12	5	2	2	0	1	3	1	1	0	7	57
WESTHAMPTON	1	0	1	0	0	0	0	1	0	0	0	1	4
WESTMINSTER	9	9	1	2	0	0	0	0	1	1	0	1	24
WESTON	24	19	7	0	0	3	0	1	0	0	1	10	65
WESTPORT	37	36	8	1	3	1	3	2	2	1	2	12	108
WESTWOOD	41	27	10	1	0	2	4	1	1	1	2	16	106
WEYMOUTH	173	140	50	7	12	17	11	10	12	5	5	69	511
WHATELY	1	2	0	1	0	0	0	0	0	0	0	2	6
WHITMAN	40	16	8	4	2	7	5	1	2	0	1	16	102
WILBRAHAM	34	22	6	2	0	0	0	2	1	1	0	2	70
WILLIAMSBURG	2	2	2	1	0	0	0	0	0	0	0	5	12
WILLIAMSTOWN	21	16	4	0	2	2	3	0	1	1	2	9	61
WILMINGTON	42	37	2	0	4	0	3	5	2	1	2	19	117
WINCHENDON	31	20	8	2	0	1	1	0	0	3	1	4	71
WINCHESTER	50	55	14	1	7	10	7	6	5	1	4	34	194
WINDSOR	1	1	0	1	0	1	0	0	0	0	0	2	6
WINTHROP	121	49	9	2	3	10	6	2	2	1	2	40	247
WOBURN	138	80	14	2	3	7	14	5	5	4	3	33	308
WORCESTER	803	394	123	20	27	53	52	34	26	32	21	274	1859
WORTHINGTON	2	2	0	0	0	1	2	0	0	0	0	0	7
WRENTHAM	16	8	3	1	0	5	0	2	0	1	0	11	47
YARMOUTH	102	63	17	1	9	3	6	7	2	4	1	26	241
STATE TOTAL	21161	12572	3835	714	1071	1703	1429	917	744	693	538	7491	52868

TABLE C14B
SELECTED CAUSES OF DEATH BY COUNTY OF RESIDENCE
1982

	HEART DISEASES (390-398, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
BARNSTABLE	700	492	151	27	38	53	51	36	23	54	12	237	1874
BERKSHIRE	530	342	111	21	30	54	53	23	23	26	17	220	1450
BRISTOL	1875	1113	451	62	72	106	98	78	51	70	38	522	4536
DUKES	37	22	9	1	4	5	4	0	0	4	1	11	98
ESSEX	2530	1425	448	80	102	175	173	103	78	82	65	829	6090
FRANKLIN	218	134	41	13	16	28	17	8	4	15	14	75	583
HAMPDEN	1715	992	329	63	100	142	117	73	53	65	37	588	4274
HAMPSHIRE	373	227	73	18	18	37	40	16	13	12	12	136	975
MIDDLESEX	4508	2862	775	148	262	360	359	221	186	151	107	1597	11536
NANTUCKET	22	11	3	1	0	4	1	2	2	1	0	5	52
NORFOLK	2150	1413	394	67	94	168	128	77	65	53	57	797	5463
PLYMOUTH	1388	734	246	57	70	128	99	43	53	17	44	433	3312
SUFFOLK	2681	1469	369	76	164	265	141	131	117	55	77	1193	6738
WORCESTER	2434	1336	435	80	101	178	148	106	76	88	57	848	5887
STATE TOTAL	21161	12572	3835	714	1071	1703	1429	917	744	693	538	7491	52868

TABLE C-14C
SELECTED CAUSES OF DEATH BY HEALTH SERVICE AREA OF RESIDENCE
1982

		- CAUSES*-												
HSA	SUBAREA	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL
I	BERKSHIRE	533	342	111	21	30	54	54	23	23	26	17	221	1,455
	NORTHERN VALLEY	509	309	105	24	31	62	43	15	16	26	26	192	1,358
	SOUTHERN VALLEY	1,839	1,071	350	73	103	150	135	83	59	71	42	625	4,601
	TOTAL	2,881	1,722	566	118	164	266	232	121	98	123	85	1,038	7,414
II	NORTH	649	378	143	37	26	52	43	28	28	19	15	248	1,666
	CENTRAL	1,050	581	162	29	36	67	71	46	35	43	22	368	2,510
	SOUTH	814	448	131	29	40	57	47	41	19	23	19	258	1,926
	TOTAL	2,513	1,407	436	95	102	176	161	115	82	85	56	874	6,102
III	GREATER LOWELL	691	458	125	23	35	29	76	55	25	69	23	220	1,856
	GREATER LAWRENCE	580	315	123	19	19	47	37	21	17	23	18	156	1,375
	GTR HAVER-NEWBPT	422	224	74	12	19	29	18	17	13	30	11	161	1,030
	TOTAL	1,693	1,024	322	54	73	105	131	93	55	122	52	537	4,261
IV	METRO CENTRAL	2,894	1,621	407	78	179	282	150	139	121	59	83	1,280	7,293
	METRO NORTHWEST	1,480	943	257	34	89	134	105	70	72	32	34	540	3,790
	METRO WEST	1,423	959	279	46	88	141	97	51	48	25	35	544	3,736
	METRO SOUTHWEST	512	295	98	22	13	41	30	18	11	16	15	163	1,234
	METRO SOUTH	1,214	779	214	27	64	98	74	49	40	26	32	439	3,056
	TOTAL	7,523	4,597	1,255	207	433	696	456	327	292	158	199	2,966	19,109
V	ATTLEBORO AREA	274	185	75	10	8	29	11	4	5	5	8	68	682
	BROCKTON AREA	726	363	125	25	32	81	52	20	26	6	22	238	1,716
	PLYMOUTH AREA	409	254	81	25	23	28	35	15	22	5	14	143	1,054
	TAUNTON-MDLBORO	354	207	81	26	23	22	22	15	14	9	4	112	889
	FALL RIVER AREA	629	379	144	15	25	20	20	37	14	29	18	170	1,500
	NEW BEDFORD AREA	743	397	169	16	22	39	45	21	21	29	10	205	1,717
	CAPE COD	837	566	176	31	42	67	63	39	26	61	14	270	2,192
	TOTAL	3,972	2,351	851	148	175	286	248	151	128	144	90	1,206	9,750
VI	CAPE ANN	406	246	66	16	14	39	41	29	14	9	11	149	1,040
	DANVERS-SALEM	521	309	77	17	18	31	28	17	18	14	12	179	1,241
	GREATER LYNN	601	331	108	16	32	29	49	19	16	6	13	184	1,404
	EASTRN MIDDLESEX	403	207	68	18	23	31	35	12	13	16	11	125	962
	TRI-CITIES	648	378	86	25	37	44	48	33	28	16	9	233	1,585
	TOTAL	2,579	1,471	405	92	124	174	201	110	89	61	56	870	6,232
	STATE TOTAL	21,161	12,572	3,835	714	1,071	1,703	1,429	917	744	693	538	7,491	52,868

*SELECTED CAUSES ARE NUMBERED AS FOLLOWS:

1=HEART DISEASE (390-398, 402, 404-429)
2=MALIGNANT NEOPLASMS (140-209)
3=CEREBROVASCULAR DISEASE (430-438)
4=MOTOR VEHICLE ACCIDENTS (E810-E825)
5=OTHER ACCIDENTS (E800-E807, E826-E949)
6=INFLUENZA & PNEUMONIA (480-487)
7=CHRONIC OBSTRUCTIVE PULMONARY DISEASE (490-496)
8=DIABETES MELLITIS (250)
9=CHRONIC LIVER DISEASE & CIRRHOSIS (571)
10=ATHEROSCLEROSIS (440)
11=SUICIDE (E950-E959)
12=ALL OTHER CAUSES

TABLE C-15
RESIDENT DEATHS BY CAUSE, SEX, AND RACE

ICD. LIST NUMBER		TOTALS			WHITE			NON-WHITE		
	CAUSE OF DEATH	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*001 139	I. INFECTIVE AND PARASITIC DISEASES	565	246	319	534	229	305	31	17	14
001-009	INTESTINAL INFECTIOUS DISEASES	7	3	4	7	3	[illegible]	0	0	0
004	OTHER SALMONELLA INFECTIONS	4	3	1	4	3	1	0	0	0
008	INTESTINAL INFECTIONS DUE TO OTHER ORGANISMS	1	0	1	1	0	1	0	0	0
009	ILL-DEFINED INTESTINAL INFECTIONS	2	0	2	2	0	2	0	0	0
010-018	TUBERCULOSIS	22	13	9	18	9	9	4	4	0
011	PULMONARY	15	8	7	15	8	7	0	0	0
015	BONES AND JOINTS	2	2	0	1	1	0	1	1	0
016	GENITOURINARY SYSTEM	1	1	0	0	0	0	1	1	0
017	OTHER ORGANS	1	0	1	1	0	1	0	0	0
018	MILIARY	3	2	1	1	0	1	2	2	0
020-027	ZOONOTIC BACTERIAL DISEASES	3	2	1	3	2	1	0	0	0
027	OTHER ZOONOTIC BACTERIAL DISEASES	3	2	1	3	2	1	0	0	0
030-041	OTHER BACTERIAL DISEASES	449	187	262	426	176	250	23	11	12
031	DISEASES DUE TO OTHER MYCOBACTERIA	1	0	1	1	0	1	0	0	0
036	MENINGOCOCCAL INFECTION	7	1	6	7	1	6	0	0	0
038	SEPTICAEMIA	424	180	244	401	169	232	23	11	12
039	ACTINOMYCOTIC INFECTIONS	1	1	0	1	1	0	0	0	0
040	OTHER BACTERIAL DISEASES	8	3	5	8	3	5	0	0	0
041	BACTERIAL INFECTION IN CONDITIONS CLASSIFIED ELSEWHERE AND OF UNSPECIFIED SITE	8	2	6	8	2	6	0	0	0
045-049	POLIOMYELITIS AND OTHER ENTEROVIRUS DIS. OF CENTRAL NERVOUS SYSTEM	8	3	5	8	3	5	0	0	0
046	SLOW VIRUS INFECTION OF CENTRAL NERVOUS SYSTEM	4	2	2	4	2	2	0	0	0
047	MENINGITIS DUE TO ENTEROVIRUS	1	0	1	1	0	1	0	0	0
049	OTHER VIRAL DISEASES OF CENTRAL NERVOUS SYSTEM	3	1	2	3	1	2	0	0	0
050-057	VIRAL DISEASES ACCOMPANIED BY EXANTHEM	14	7	7	14	7	7	0	0	0
052	CHICKENPOX	2	0	2	2	0	2	0	0	0
053	HERPES ZOSTER	5	2	3	5	2	3	0	0	0
054	HERPES SIMPLEX	7	5	2	7	5	2	0	0	0
070-079	OTHER VIRAL DISEASES	28	11	17	27	11	16	1	0	1
070	VIRAL HEPATITIS	15	6	9	15	6	9	0	0	0
072	MUMPS	1	0	1	1	0	1	0	0	0
074	SPECIFIC DISEASES DUE TO COXSACKIE VIRUS	1	0	1	1	0	1	0	0	0
078	OTHER DISEASES DUE TO VIRUSES AND CHLAMYDIAE	2	1	1	2	1	1	0	0	0
079	VIRAL INFECTION IN CONDITIONS CLASSIFIED ELSEWHERE AND OF UNSPECIFIED SITE	9	4	5	8	4	4	1	0	1
090-099	SYPHILIS AND OTHER VENEREAL DISEASES	2	0	2	2	0	2	0	0	0
091	EARLY SYPHILIS, SYMPTOMATIC	1	0	1	1	0	1	0	0	0
098	GONOCOCCAL INFECTIONS	1	0	1	1	0	1	0	0	0
110-118	MYCOSES	9	7	2	9	7	2	0	0	0
112	CANDIDIASIS	7	5	2	7	5	2	0	0	0
117	OTHER MYCOSES	2	2	0	2	2	0	0	0	0
130-136	OTHER INFECTIVE AND PARASITIC DISEASES	17	10	7	14	8	6	3	2	1
130	TOXOPLASMOSIS	1	1	0	0	0	0	1	1	0
135	SARCOIDOSIS	9	4	5	8	3	5	1	1	0
136	OTHER AND UNSPECIFIED INFECTIOUS AND PARASITIC DISEASES	7	5	2	6	5	1	1	0	1
137-139	LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES	6	3	3	6	3	3	0	0	0
137	TUBERCULOSIS	3	1	2	3	1	2	0	0	0
138	ACUTE POLIOMYELITIS	3	2	1	3	2	1	0	0	0

TABLE C-15
RESIDENT DEATHS BY CAUSE, SEX, AND RACE

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*140 239	II. NEOPLASMS	12775	6464	6311	12404	6257	6147	368	205	163
140-149	MALIGNANT NEOPLASM OF LIP, ORAL CAVITY AND PHARYNX	253	181	72	239	169	70	14	12	2
140	LIP	3	2	1	3	2	1	0	0	0
141	TONGUE	61	42	19	56	37	19	5	5	0
142	MAJOR SALIVARY GLANDS	19	14	5	19	14	5	0	0	0
143	GUM	1	1	0	1	1	0	0	0	0
144	FLOOR OF MOUTH	13	10	3	11	8	3	2	2	0
145	OTHER AND UNSPECIFIED PARTS OF MOUTH	32	20	12	32	20	12	0	0	0
146	OROPHARYNX	34	26	8	33	25	8	1	1	0
147	NASOPHARYNX	20	14	6	19	13	6	1	1	0
148	HYPOPHARYNX	19	17	2	19	17	2	0	0	0
149	OTHER AND ILL-DEFINED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	51	35	16	46	32	14	5	3	2
150-159	MALIGNANT NEOPLASM OF DIGESTIVE ORGANS AND PERITONEUM	3637	1859	1778	3524	1793	1731	113	66	47
150	OESOPHAGUS	266	188	78	242	173	69	24	15	9
151	STOMACH	505	306	199	483	291	192	22	15	7
152	SMALL INTESTINE, INCLUDING DUODENUM	27	18	9	27	18	9	0	0	0
153	COLON	1427	656	771	1395	635	760	32	21	11
154	RECTUM, RECTOSIGMOID JUNCTION AND ANUS	338	175	163	337	175	162	1	0	1
155	LIVER AND INTRAHEPATIC BILE DUCTS	182	109	73	172	104	68	10	5	5
156	GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	129	43	86	126	41	85	3	2	1
157	PANCREAS	625	295	330	605	287	318	20	8	12
158	RETROPERITONEUM AND PERITONEUM	17	4	13	17	4	13	0	0	0
159	OTHER AND ILL-DEFINED SITES WITHIN THE DIGESTIVE ORGANS AND PERITONEUM	121	65	56	120	65	55	1	0	1
160-165	MALIGNANT NEOPLASM OF RESPIRATORY AND INTRATHORACIC ORGANS	3031	2068	963	2944	2003	941	85	64	21
160	NASAL CAVITIES, MIDDLE EAR AND ACCESSORY SINUSES	9	5	4	8	5	3	1	0	1
161	LARYNX	118	99	19	113	95	18	5	4	1
162	TRACHEA, BRONCHUS AND LUNG	2881	1949	932	2801	1889	912	78	59	19
163	PLEURA	16	10	6	15	9	6	1	1	0
164	THYMUS, HEART AND MEDIASTINUM	7	5	2	7	5	2	0	0	0
170-175	MALIGNANT NEOPLASM OF BONE, CONNECTIVE TISSUE, SKIN, AND BREAST	1528	179	1349	1490	177	1313	38	2	36
170	BONE AND ARTICULAR CARTILAGE	19	14	5	19	14	5	0	0	0
171	CONNECTIVE AND OTHER SOFT TISSUE	78	30	48	76	30	46	2	0	2
172	MALIGNANT MELANOMA OF SKIN	161	93	68	161	93	68	0	0	0
173	OTHER MALIGNANT NEOPLASM OF SKIN	49	38	11	47	36	11	2	2	0
174	FEMALE BREAST	1217	0	1217	1183	0	1183	34	0	34
175	MALE BREAST	4	4	0	4	4	0	0	0	0
179-189	MALIGNANT NEOPLASM OF GENITOURINARY ORGANS	1819	977	842	1768	947	821	50	29	21
179	UTERUS, PART UNSPECIFIED	84	0	84	82	0	82	2	0	2
180	CERVIX UTERI	100	0	100	94	0	94	6	0	6
182	BODY OF UTERUS	73	0	73	73	0	73	0	0	0
183	OVARY AND OTHER UTERINE ADNEXA	334	0	334	327	0	327	7	0	7
184	OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	39	0	39	39	0	39	0	0	0
185	PROSTATE	591	591	0	569	569	0	21	21	0
186	TESTIS	13	13	0	12	12	0	1	1	0
187	PENIS AND OTHER MALE GENITAL ORGANS	11	11	0	11	11	0	0	0	0

TABLE C-15

RESIDENT DEATHS BY CAUSE, SEX, AND RACE

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	II. NEOPLASMS (CONTINUED)									
188	BLADDER	308	194	114	301	191	110	7	3	4
189	KIDNEY AND OTHER AND UNSPECIFIED URINARY ORGANS	266	168	98	260	164	96	6	4	2
190-199	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES	1306	604	702	1265	585	680	41	19	22
190	EYE	2	1	1	2	1	1	0	0	0
191	BRAIN	237	121	116	234	119	115	3	2	1
192	OTHER AND UNSPECIFIED PARTS OF NERVOUS SYSTEM	2	1	1	2	1	1	0	0	0
193	THYROID GLAND	28	9	19	28	9	19	0	0	0
194	OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	12	8	4	12	8	4	0	0	0
195	OTHER AND ILL-DEFINED SITES	92	46	46	87	43	44	5	3	2
199	WITHOUT SPECIFICATION OF SITE	933	418	515	900	404	496	33	14	19
200-208	NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUE	998	510	488	977	499	478	21	11	10
200	LYMPHOSARCOMA AND RETICULOSARCOMA	136	64	72	132	63	69	4	1	3
201	HODGKIN'S DISEASE	46	25	21	45	24	21	1	1	0
202	OTHER MALIGNANT NEOPLASM OF LYMPOID AND HISTIOCYTIC TISSUE	253	129	124	249	126	123	4	3	1
203	MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS	139	61	78	133	57	76	6	4	2
204	LYMPHOID LEUKAEMIA	101	62	39	100	61	39	1	1	0
205	MYELOID LEUKAEMIA	198	102	96	196	102	94	2	0	2
206	MONOCYTIC LEUKAEMIA	14	7	7	13	6	7	1	1	0
207	OTHER SPECIFIED LEUKAEMIA	12	7	5	12	7	5	0	0	0
208	LEUKAEMIA OF UNSPECIFIED CELL TYPE	99	53	46	97	53	44	2	0	2
210-229	BENIGN NEOPLASMS	33	14	19	32	14	18	1	0	1
211	OTHER PARTS OF DIGESTIVE SYSTEM	2	1	1	2	1	1	0	0	0
215	OTHER BENIGN NEOPLASM OF CONNECTIVE AND OTHER SOFT TISSUE	2	0	2	2	0	2	0	0	0
216	SKIN	1	1	0	1	1	0	0	0	0
225	BRAIN AND OTHER PARTS OF NERVOUS SYSTEM	25	10	15	24	10	14	1	0	1
227	OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	1	0	1	1	0	1	0	0	0
228	HAEMANGIOMA AND LYMPHANGIOMA, ANY SITE	1	1	0	1	1	0	0	0	0
229	OTHER AND UNSPECIFIED SITES	1	1	0	1	1	0	0	0	0
235-238	NEOPLASMS OF UNCERTAIN BEHAVIOUR	38	19	19	36	18	18	2	1	1
235	DIGESTIVE AND RESPIRATORY SYSTEMS	5	2	3	4	1	3	1	1	0
237	ENDOCRINE GLANDS AND NERVOUS SYSTEM	2	1	1	2	1	1	0	0	0
238	OTHER AND UNSPECIFIED SITES AND TISSUES	31	16	15	30	16	14	1	0	1
239-239	NEOPLASM OF UNSPECIFIED NATURE	132	53	79	129	52	77	3	1	2
239	NEOPLASM OF UNSPECIFIED NATURE	132	53	79	129	52	77	3	1	2
*240 279	III. ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES	1203	471	732	1148	456	692	55	15	40
240-246	DISORDERS OF THYROID GLAND	33	5	28	33	5	28	0	0	0
242	THYROTOXICOSIS WITH OR WITHOUT GOITRE	3	0	3	3	0	3	0	0	0
244	ACQUIRED HYPOTHYROIDISM	30	5	25	30	5	25	0	0	0
250-259	DISEASES OF OTHER ENDOCRINE GLANDS	930	362	568	888	352	536	42	10	32
250	DIABETES MELLITUS	917	357	560	876	348	528	41	9	32
251	OTHER DISORDERS OF PANCREATIC INTERNAL SECRETION	6	3	3	5	2	3	1	1	0
252	DISORDERS OF PARATHYROID GLAND	1	0	1	1	0	1	0	0	0
253	DISORDERS OF THE PITUITARY GLAND AND ITS HYPOTHALAMIC CONTROL	3	1	2	3	1	2	0	0	0
255	DISORDERS OF ADRENAL GLANDS	2	1	1	2	1	1	0	0	0
258	POLYGLANDULAR DYSFUNCTION AND RELATED DISORDERS	1	0	1	1	0	1	0	0	0

TABLE C-15

RESIDENT DEATHS BY CAUSE, SEX, AND RACE

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	III. ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES (CONTINUED)									
260-269	NUTRITIONAL DEFICIENCIES	59	25	34	59	25	34	0	0	0
261	NUTRITIONAL MARASMUS	3	1	2	3	1	2	0	0	0
263	OTHER AND UNSPECIFIED PROTEIN-CALORIE MALNUTRITION	52	23	29	52	23	29	0	0	0
267	ASCORBIC ACID DEFICIENCY	1	0	1	1	0	1	0	0	0
268	VITAMIN D DEFICIENCY	1	0	1	1	0	1	0	0	0
269	OTHER NUTRITIONAL DEFICIENCIES	2	1	1	2	1	1	0	0	0
270-279	OTHER METABOLIC AND IMMUNITY DISORDERS	181	79	102	168	74	94	13	5	8
270	DISORDERS OF AMINO-ACID TRANSPORT AND METABOLISM	2	1	1	2	1	1	0	0	0
272	DISORDERS OF LIPOID METABOLISM	10	6	4	10	6	4	0	0	0
273	DISORDERS OF PLASMA PROTEIN METABOLISM	7	4	3	7	4	3	0	0	0
274	GOUT	4	1	3	4	1	3	0	0	0
275	DISORDERS OF MINERAL METABOLISM	13	7	6	13	7	6	0	0	0
276	DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	91	32	59	78	27	51	13	5	8
277	OTHER AND UNSPECIFIED DISORDERS OF METABOLISM	34	18	16	34	18	16	0	0	0
278	OBESITY AND OTHER HYPERALIMENTATION	14	6	8	14	6	8	0	0	0
279	DISORDERS INVOLVING THE IMMUNE MECHANISM	6	4	2	6	4	2	0	0	0
*280 289	IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS	172	69	103	168	68	100	4	1	3
280	IRON DEFICIENCY ANAEMIAS	1	1	0	1	1	0	0	0	0
281	OTHER DEFICIENCY ANAEMIAS	7	3	4	7	3	4	0	0	0
282	HEREDITARY HAEMOLYTIC ANAEMIAS	5	1	4	4	1	3	1	0	1
283	ACQUIRED HAEMOLYTIC ANAEMIAS	3	1	2	3	1	2	0	0	0
284	APLASTIC ANAEMIA	27	10	17	27	10	17	0	0	0
285	OTHER AND UNSPECIFIED ANAEMIAS	22	7	15	21	7	14	1	0	1
286	COAGULATION DEFECTS	38	17	21	37	17	20	1	0	1
287	PURFURA AND OTHER HAEMORRHAGIC CONDITIONS	15	5	10	14	4	10	1	1	0
288	DISEASES OF WHITE BLOOD CELLS	9	4	5	9	4	5	0	0	0
289	OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	45	20	25	45	20	25	0	0	0
*290 319	V. MENTAL DISORDERS	330	162	168	318	157	161	12	5	7
290-294	ORGANIC PSYCHOTIC CONDITIONS	115	39	76	113	38	75	2	1	1
290	SENILE AND PRESENILE ORGANIC PSYCHOTIC CONDITIONS	101	31	70	99	30	69	2	1	1
291	ALCOHOLIC PSYCHOSES	10	6	4	10	6	4	0	0	0
293	TRANSIENT ORGANIC PSYCHOTIC CONDITIONS	2	0	2	2	0	2	0	0	0
294	OTHER ORGANIC PSYCHOTIC CONDITIONS (CHRONIC)	2	2	0	2	2	0	0	0	0
295-299	OTHER PSYCHOSES	36	18	18	32	16	16	4	2	2
295	SCHIZOPHRENIC PSYCHOSES	8	4	4	8	4	4	0	0	0
296	AFFECTIVE PSYCHOSES	1	0	1	1	0	1	0	0	0
298	OTHER NONORGANIC PSYCHOSES	26	13	13	22	11	11	4	2	2
299	PSYCHOSES WITH ORIGIN SPECIFIC TO CHILDHOOD	1	1	0	1	1	0	0	0	0
300-316	NEUROSES, PERSONALITY DISORDERS, AND OTHER NONPSYCHOTIC DISORDERS	175	103	72	169	101	68	6	2	4
300	NEUROTIC DISORDERS	1	0	1	1	0	1	0	0	0
303	ALCOHOL DEPENDENCE SYNDROME	57	45	12	54	43	11	3	2	1
305	NONDEPENDENT ABUSE OF DRUGS	20	18	2	20	18	2	0	0	0
306	PHYSIOLOGICAL MALFUNCTION ARISING FROM MENTAL FACTORS	2	2	0	2	2	0	0	0	0
307	SPECIAL SYMPTOMS OR SYNDROMES NOT ELSEWHERE CLASSIFIED	3	2	1	3	2	1	0	0	0
308	ACUTE REACTION TO STRESS	2	1	1	2	1	1	0	0	0
310	SPECIFIC NONPSYCHOTIC MENTAL DISORDERS FOLLOWING ORGANIC	81	33	48	78	33	45	3	0	3

TABLE C-15

RESIDENT DEATHS BY CAUSE, SEX, AND RACE

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	BRAIN DAMAGE									
311	DEPRESSIVE DISORDER, NOT ELSEWHERE CLASSIFIED	9	2	7	9	2	7	0	0	0
317-319	MENTAL RETARDATION	4	2	2	4	2	2	0	0	0
318	OTHER SPECIFIED MENTAL RETARDATION	2	2	0	2	2	0	0	0	0
319	UNSPECIFIED MENTAL RETARDATION	2	0	2	2	0	2	0	0	0
*320 389	VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	783	357	426	757	343	414	26	14	12
320-326	INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM	38	18	20	35	15	20	3	3	0
320	BACTERIAL MENINGITIS	18	8	10	15	5	10	3	3	0
322	MENINGITIS OF UNSPECIFIED CAUSE	12	6	6	12	6	6	0	0	0
323	ENCEPHALITIS, MYELITIS AND ENCEPHALOMYELITIS	4	3	1	4	3	1	0	0	0
324	INTRACRANIAL AND INTRASPINAL ABSCESS	3	1	2	3	1	2	0	0	0
325	PHLEBITIS AND THROMBOPHLEBITIS OF INTRACRANIAL VENOUS SINUSES	1	0	1	1	0	1	0	0	0
330-337	HEREDITARY AND DEGENERATIVE DISEASES OF NERVOUS SYSTEM	433	192	241	426	190	236	7	2	5
330	CEREBRAL DEGENERATIONS USUALLY MANIFEST IN CHILDHOOD	2	0	2	2	0	2	0	0	0
331	OTHER CEREBRAL DEGENERATIONS	171	52	119	168	51	117	3	1	2
332	PARKINSON'S DISEASE	141	83	58	139	82	57	2	1	1
333	OTHER EXTRAPYRAMIDAL DISEASE AND ABNORMAL MOVEMENT DISORDERS	18	9	9	18	9	9	0	0	0
334	SPINOCEREBELLAR DISEASE	7	2	5	7	2	5	0	0	0
335	ANTERIOR HORN CELL DISEASE	84	38	46	82	38	44	2	0	2
336	OTHER DISEASES OF SPINAL CORD	10	8	2	10	8	2	0	0	0
340-349	OTHER DISORDERS OF THE CENTRAL NERVOUS SYSTEM	272	126	146	257	118	139	15	8	7
340	MULTIPLE SCLEROSIS	57	21	36	56	21	35	1	0	1
341	OTHER DEMYELINATING DISEASES OF CENTRAL NERVOUS SYSTEM	32	13	19	32	13	19	0	0	0
342	HEMIPLEGIA	10	3	7	9	2	7	1	1	0
343	INFANTILE CEREBRAL PALSY	7	2	5	7	2	5	0	0	0
344	OTHER PARALYTIC SYNDROMES	12	4	8	12	4	8	0	0	0
345	EPILEPSY	41	24	17	37	21	16	4	3	1
348	OTHER CONDITIONS OF BRAIN	109	58	51	100	54	46	9	4	5
349	OTHER AND UNSPECIFIED DISORDERS OF THE NERVOUS SYSTEM	4	1	3	4	1	3	0	0	0
350-359	DISORDERS OF PERIPHERAL NERVOUS SYSTEM	35	20	15	34	19	15	1	1	0
356	HEREDITARY AND IDIOPATHIC PERIPHERAL NEUROPATHY	5	3	2	4	2	2	1	1	0
357	INFLAMMATORY AND TOXIC NEUROPATHY	8	5	3	8	5	3	0	0	0
358	MYONEURAL DISORDERS	9	2	7	9	2	7	0	0	0
359	MUSCULAR DYSTROPHIES AND OTHER MYOPATHIES	13	10	3	13	10	3	0	0	0
360-379	DISORDERS OF EYE AND ADNEXA	1	0	1	1	0	1	0	0	0
376	DISORDERS OF THE ORBIT	1	0	1	1	0	1	0	0	0
380-389	DISEASES OF THE EAR AND MASTIOD PROCESS	4	1	3	4	1	3	0	0	0
382	SUPPURATIVE AND UNSPECIFIED OTITIS MEDIA	4	1	3	4	1	3	0	0	0

TABLE C-15
RESIDENT DEATHS BY CAUSE, SEX, AND RACE

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*390 459	VII. DISEASES OF THE CIRCULATORY SYSTEM	26575	12720	13855	25931	12397	13534	633	314	319
390-392	ACUTE RHEUMATIC FEVER	7	5	2	7	5	2	0	0	0
391	RHEUMATIC FEVER WITH HEART INVOLVEMENT	7	5	2	7	5	2	0	0	0
393-398	CHRONIC RHEUMATIC HEART DISEASE	204	41	163	198	39	159	6	2	4
394	DISEASES OF MITRAL VALVE	85	13	72	83	13	70	2	0	2
395	DISEASES OF AORTIC VALVE	6	1	5	6	1	5	0	0	0
396	DISEASES OF MITRAL AND AORTIC VALVES	24	8	16	23	7	16	1	1	0
397	DISEASES OF OTHER ENDOCARDIAL STRUCTURES	15	7	8	15	7	8	0	0	0
398	OTHER RHEUMATIC HEART DISEASE	74	12	62	71	11	60	3	1	2
401-405	HYPERTENSIVE DISEASE	572	219	353	546	208	338	26	11	15
401	ESSENTIAL HYPERTENSION	67	30	37	65	29	36	2	1	1
402	HYPERTENSIVE HEART DISEASE	357	134	223	338	125	213	19	9	10
403	HYPERTENSIVE RENAL DISEASE	95	34	61	90	33	57	5	1	4
404	HYPERTENSIVE HEART AND RENAL DISEASE	53	21	32	53	21	32	0	0	0
410-414	ISCHEMIC HEART DISEASE	17100	8863	8237	16741	8670	8071	349	185	164
410	ACUTE MYOCARDIAL INFARCTION	8974	5044	3930	8757	4927	3830	212	113	99
411	OTHER ACUTE AND SUBACUTE FORM OF ISCHAEMIC HEART DISEASE	16	9	7	15	8	7	1	1	0
412	OLD MYOCARDIAL INFARCTION	34	18	16	33	18	15	1	0	1
413	ANGINA PECTORIS	11	4	7	11	4	7	0	0	0
414	OTHER FORMS OF CHRONIC ISCHAEMIC HEART DISEASE	8065	3788	4277	7925	3713	4212	135	71	64
415-417	DISEASES OF PULMONARY CIRCULATION	343	172	171	324	162	162	19	10	9
415	ACUTE PULMONARY HEART DISEASE	309	159	150	293	151	142	16	8	8
416	CHRONIC PULMONARY HEART DISEASE	33	12	21	30	10	20	3	2	1
417	OTHER DISEASES OF PULMONARY CIRCULATION	1	1	0	1	1	0	0	0	0
420-429	OTHER FORMS OF HEART DISEASE	3097	1386	1711	3001	1332	1669	96	54	42
421	ACUTE AND SUBACUTE ENDOCARDITIS	28	16	12	28	16	12	0	0	0
422	ACUTE MYOCARDITIS	4	4	0	4	4	0	0	0	0
423	OTHER DISEASES OF PERICARDIUM	11	5	6	10	4	6	1	1	0
424	OTHER DISEASES OF ENDOCARDIUM	211	78	133	206	76	130	5	2	3
425	CARDIOMYOPATHY	183	124	59	172	118	54	11	6	5
426	CONDUCTION DISORDERS	19	11	8	18	10	8	1	1	0
427	CARDIAC DYSRHYTHMIAS	1023	480	543	978	452	526	45	28	17
428	HEART FAILURE	775	318	457	758	313	445	17	5	12
429	ILL-DEFINED DESCRIPTIONS AND COMPLICATIONS OF HEART DISEASE	843	350	493	827	339	488	16	11	5
430-438	CEREBROVASCULAR DISEASE	3835	1364	2471	3731	1328	2403	104	36	68
430	SUBARACHNOID HAEMORRHAGE	157	54	103	146	50	96	11	4	7
431	INTRACEREBRAL HAEMORRHAGE	536	228	308	512	216	296	24	12	12
432	OTHER AND UNSPECIFIED INTRACRANIAL HAEMORRHAGE	47	21	26	44	19	25	3	2	1
433	OCCLUSION AND STENOSIS OF PRECEREBRAL ARTERIES	38	23	15	38	23	15	0	0	0
434	OCCLUSION OF CEREBRAL ARTERIES	851	311	540	832	306	526	19	5	14
435	TRANSCIENT CEREBRAL ISCHAEMIA	13	2	11	13	2	11	0	0	0
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	1621	574	1047	1582	562	1020	39	12	27
437	OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE	425	107	318	419	107	312	6	0	6
438	LATE EFFECTS OF CEREBROVASCULAR DISEASE	147	44	103	145	43	102	2	1	1
440-448	DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	1288	605	683	1261	594	667	26	10	16
440	ATHEROSCLEROSIS	693	244	449	684	238	446	8	5	3
441	AORTIC ANEURYSM	439	288	151	433	284	149	6	4	2
442	OTHER ANEURYSM	12	6	6	9	6	3	3	0	3
443	OTHER PERIPHERAL VASCULAR DISEASE	60	29	31	56	29	27	4	0	4
444	ARTERIAL EMBOLISM AND THROMBOSIS	37	14	23	35	14	21	2	0	2
446	POLYARTERITIS NODOSA AND ALLIED CONDITIONS	13	9	4	12	8	4	1	1	0

TABLE C-15

RESIDENT DEATHS BY CAUSE, SEX, AND RACE

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	VII. DISEASES OF THE CIRCULATORY SYSTEM (CONTINUED)									
447	OTHER DISORDERS OF ARTERIES AND ARTERIOLES	31	14	17	29	14	15	2	0	2
448	DISEASES OF CAPILLARIES	3	1	2	3	1	2	0	0	0
451-459	DISEASES OF VEINS AND LYMPHATICS, AND OTHER DIS. OF CIRCULATORY SYS.	129	65	64	122	59	63	7	6	1
451	PHLEBITIS AND THROMBOPHLEBITIS	38	18	20	38	18	20	0	0	0
452	PORTAL VEIN THROMBOSIS	1	1	0	1	1	0	0	0	0
453	OTHER VENOUS EMBOLISM AND THROMBOSIS	5	2	3	4	1	3	1	1	0
454	VARICOSE VEINS OF LOWER EXTREMITIES	3	1	2	3	1	2	0	0	0
456	VARICOSE VEINS OF OTHER SITES	19	12	7	17	10	7	2	2	0
457	NONINFECTIVE DISORDERS OF LYMPHATIC CHANNELS	1	0	1	1	0	1	0	0	0
458	HYPOTENSION	34	19	15	32	17	15	2	2	0
459	OTHER DISORDERS OF CIRCULATORY SYSTEM	28	12	16	26	11	15	2	1	1
*460 519	VIII. DISEASES OF THE RESPIRATORY SYSTEM	3693	2041	1652	3580	1984	1596	111	56	55
460-466	ACUTE RESPIRATORY INFECTIONS	16	6	10	15	6	9	1	0	1
461	ACUTE SINUSITIS	1	0	1	0	0	0	1	0	1
463	ACUTE TONSILLITIS	1	1	0	1	1	0	0	0	0
464	ACUTE LARYNGITIS AND TRACHEITIS	3	0	3	3	0	3	0	0	0
465	ACUTE UPPER RESPIRATORY INFECTIONS OF MULTIPLE OR UNSPECIFIED SITES	2	1	1	2	1	1	0	0	0
466	ACUTE BRONCHITIS AND BRONCHIOLITIS	9	4	5	9	4	5	0	0	0
470-478	OTHER DISEASES UPPER RESPIRATORY TRACT	10	8	2	8	7	1	2	1	1
473	CHRONIC SINUSITIS	1	1	0	1	1	0	0	0	0
478	OTHER DISEASES OF UPPER RESPIRATORY TRACT	9	7	2	7	6	1	2	1	1
480-487	PNEUMONIA AND INFLUENZA	1703	839	864	1656	811	845	46	27	19
480	VIRAL PNEUMONIA	9	7	2	9	7	2	0	0	0
481	PNEUMOCOCCAL PNEUMONIA	83	49	34	79	46	33	4	3	1
482	OTHER BACTERIAL PNEUMONIA	64	36	28	62	35	27	2	1	1
483	PNEUMONIA DUE TO OTHER SPECIFIED ORGANISM	1	1	0	1	1	0	0	0	0
485	BRONCHOPNEUMONIA, ORGANISM UNSPECIFIED	324	154	170	313	147	166	10	6	4
486	PNEUMONIA, ORGANISM UNSPECIFIED	1214	591	623	1184	574	610	30	17	13
487	INFLUENZA	8	1	7	8	1	7	0	0	0
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	1429	891	538	1405	882	523	23	9	14
490	BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	11	3	8	11	3	8	0	0	0
491	CHRONIC BRONCHITIS	72	42	30	72	42	30	0	0	0
492	EMPHYSEMA	256	181	75	254	181	73	2	0	2
493	ASTHMA	57	19	38	47	17	30	9	2	7
494	BRONCHIECTASIS	15	8	7	15	8	7	0	0	0
496	CHRONIC AIRWAYS OBSTRUCTION, NOT ELSEWHERE CLASSIFIED	1018	638	380	1006	631	375	12	7	5
500-508	PNEUMOCONIOSES AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENTS	193	109	84	183	104	79	10	5	5
500	COALWORKERS' PNEUMOCONIOSIS	1	1	0	0	0	0	1	1	0
501	ASBESTOSIS	8	8	0	8	8	0	0	0	0
502	PNEUMOCONIOSIS DUE TO OTHER SILICA OR SILICATES	3	3	0	2	2	0	1	1	0
506	RESPIRATORY CONDITIONS DUE TO CHEMICAL FUMES AND VAPOURS	1	0	1	0	0	0	1	0	1
507	PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	179	97	82	172	94	78	7	3	4
508	RESPIRATORY CONDITIONS DUE TO OTHER AND UNSPECIFIED EXTERNAL AGENTS	1	0	1	1	0	1	0	0	0
510-519	OTHER DISEASES OF RESPIRATORY SYSTEM	342	188	154	313	174	139	29	14	15

TABLE C-15
RESIDENT DEATHS BY CAUSE, SEX, AND RACE

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS TOT	TOTALS MALE	TOTALS FEM	WHITE TOT	WHITE MALE	WHITE FEM	NON-WHITE TOT	NON-WHITE MALE	NON-WHITE FEM
	VIII. DISEASES OF THE RESPIRATORY SYSTEM (CONTINUED)									
510	EMPYEMA	13	10	3	13	10	3	0	0	0
511	PLEURISY	16	6	10	16	6	10	0	0	0
512	PNEUMOTHORAX	5	4	1	4	4	0	1	0	1
513	ABSCESS OF LUNG AND MEDIASTINUM	9	7	2	9	7	2	0	0	0
514	PULMONARY CONGESTION AND HYPOSTASIS	53	29	24	41	21	20	12	8	4
515	POSTINFLAMMATORY PULMONARY FIBROSIS	72	42	30	69	41	28	3	1	2
516	OTHER ALVEOLAR AND PARIETOALVEOLAR PNEUMOPATHY	14	9	5	12	9	3	2	0	2
518	OTHER DISEASES OF LUNG	132	68	64	122	64	58	10	4	6
519	OTHER DISEASES OF RESPIRATORY SYSTEM	28	13	15	27	12	15	1	1	0
*520 579	IX. DISEASES OF THE DIGESTIVE SYSTEM	2092	1031	1061	2029	999	1030	63	32	31
520-529	DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	2	1	1	2	1	1	0	0	0
522	DISEASES OF PULP AND PERIAPICAL TISSUES	1	1	0	1	1	0	0	0	0
527	DISEASES OF THE SALIVARY GLANDS	1	0	1	1	0	1	0	0	0
530-537	DISEASES OF ESOPHAGUS, STOMACH, AND DUODENUM	246	119	127	241	115	126	5	4	1
530	DISEASES OF OESOPHAGUS	40	20	20	40	20	20	0	0	0
531	GASTRIC ULCER	68	29	39	67	28	39	1	1	0
532	DUODENAL ULCER	69	38	31	67	37	30	2	1	1
533	PEPTIC ULCER, SITE UNSPECIFIED	34	16	18	33	15	18	1	1	0
535	GASTRITIS AND DUODENITIS	24	13	11	23	12	11	1	1	0
537	OTHER DISORDERS OF STOMACH AND DUODENUM	11	3	8	11	3	8	0	0	0
540-543	APPENDICITIS	15	9	6	15	9	6	0	0	0
540	ACUTE APPENDICITIS	14	9	5	14	9	5	0	0	0
541	APPENDICITIS, UNQUALIFIED	1	0	1	1	0	1	0	0	0
550-553	HERNIA OF ABDOMINAL CAVITY	35	9	26	35	9	26	0	0	0
550	INGUINAL HERNIA	2	1	1	2	1	1	0	0	0
551	OTHER HERNIA OF ABDOMINAL CAVITY, WITH GANGRENE	1	0	1	1	0	1	0	0	0
552	OTHER HERNIA OF ABDOMINAL CAVITY WITH OBSTRUCTION, WITHOUT MENTION OF GANGRENE	19	5	14	19	5	14	0	0	0
553	OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBSTRUCTION OR GANGRENE	13	3	10	13	3	10	0	0	0
555-558	NONINFECTIVE ENTERITIS AND COLITIS	227	60	167	224	58	166	3	2	1
555	REGIONAL ENTERITIS	17	4	13	17	4	13	0	0	0
556	IDIOPATHIC PROCTOCOLITIS	7	3	4	7	3	4	0	0	0
557	VASCULAR INSUFFICIENCY OF INTESTINE	174	46	128	171	44	127	3	2	1
558	OTHER NONINFECTIVE GASTROENTERITIS AND COLITIS	29	7	22	29	7	22	0	0	0
560-569	OTHER DISEASES OF INTESTINE AND PERITONEUM	317	116	201	308	110	198	9	6	3
560	INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	117	44	73	112	41	71	5	3	2
562	DIVERTICULA OF INTESTINE	88	19	69	88	19	69	0	0	0
564	FUNCTIONAL DIGESTIVE DISORDERS, NOT ELSEWHERE CLASSIFIED	3	0	3	3	0	3	0	0	0
566	ABCESS OF ANAL AND RECTAL REGIONS	2	0	2	1	0	1	1	0	1
567	PERITONITIS	41	19	22	41	19	22	0	0	0
568	OTHER DISORDERS OF PERITONEUM	6	3	3	5	2	3	1	1	0
569	OTHER DISORDERS OF INTESTINE	60	31	29	58	29	29	2	2	0
570-579	OTHER DISEASES OF DIGESTIVE SYSTEM	1250	717	533	1204	697	507	46	20	26
570	ACUTE AND SUBACUTE NECROSIS OF LIVER	12	6	6	11	6	5	1	0	1
571	CHRONIC LIVER DISEASE AND CIRRHOSIS	744	461	283	718	447	271	26	14	12

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RESIDENT DEATHS BY CAUSE, SEX, AND RACE

ICD. LIST NUMBER		TOTALS			WHITE			NON-WHITE		
	CAUSE OF DEATH	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	IX. DISEASES OF THE DIGESTIVE SYSTEM (CONTINUED)									
572	LIVER ABSCESS AND SEQUELAE OF CHRONIC LIVER DISEASE	115	65	50	112	63	49	3	2	1
573	OTHER DISORDERS OF LIVER	45	25	20	42	24	18	3	1	2
574	CHOLELITHIASIS	28	16	12	28	16	12	0	0	0
575	OTHER DISORDERS OF GALLBLADDER	52	22	30	50	22	28	2	0	2
576	OTHER DISORDERS OF BILIARY TRACT	32	12	20	32	12	20	0	0	0
577	DISEASES OF PANCREAS	52	24	28	49	24	25	3	0	3
578	GASTROINTESTINAL HAEMORRHAGE	165	85	80	157	82	75	8	3	5
579	INTESTINAL MALABSORPTION	5	1	4	5	1	4	0	0	0
*580 629	X. DISEASES OF THE GENITOURINARY SYSTEM	829	381	448	798	366	432	31	15	16
580-589	NEPHRITIS AND NEPHROSIS	507	238	269	486	229	257	21	9	12
580	ACUTE GLOMERULONEPHRITIS	2	0	2	2	0	2	0	0	0
581	NEPHROTIC SYNDROME	6	2	4	6	2	4	0	0	0
582	CHRONIC GLOMERULONEPHRITIS	24	11	13	22	10	12	2	1	1
583	NEPHRITIS AND NEPHROPATHY, NOT SPECIFIED AS ACUTE OR CHRONIC	8	1	7	7	1	6	1	0	1
584	ACUTE RENAL FAILURE	77	38	39	74	37	37	3	1	2
585	CHRONIC RENAL FAILURE	148	65	83	140	62	78	8	3	5
586	RENAL FAILURE, UNSPECIFIED	238	120	118	231	116	115	7	4	3
587	RENAL SCLEROSIS, UNSPECIFIED	2	1	1	2	1	1	0	0	0
588	DISORDERS RESULTING FROM IMPAIRED RENAL FUNCTION	2	0	2	2	0	2	0	0	0
590-599	OTHER DISEASES OF URINARY SYSTEM	295	124	171	286	119	167	9	5	4
590	INFECTIONS OF KIDNEY	35	13	22	34	12	22	1	1	0
591	HYDRONEPHROSIS	2	1	1	2	1	1	0	0	0
592	CALCULUS OF KIDNEY AND URETER	10	1	9	10	1	9	0	0	0
593	OTHER DISORDERS OF KIDNEY AND URETER	34	13	21	31	11	20	3	2	1
594	CALCULUS OF LOWER URINARY TRACT	1	1	0	1	1	0	0	0	0
595	CYSTITIS	10	5	5	9	4	5	1	1	0
596	OTHER DISORDERS OF BLADDER	4	2	2	4	2	2	0	0	0
598	URETHRAL STRICTURE	1	1	0	1	1	0	0	0	0
599	OTHER DISORDERS OF URETHRA AND URINARY TRACT	198	87	111	194	86	108	4	1	3
600-608	DISEASES OF MALE GENITAL ORGANS	19	19	0	18	18	0	1	1	0
600	HYPERPLASIA OF PROSTATE	13	13	0	12	12	0	1	1	0
602	OTHER DISORDERS OF PROSTATE	4	4	0	4	4	0	0	0	0
607	DISORDERS OF PENIS	1	1	0	1	1	0	0	0	0
608	OTHER DISORDERS OF MALE GENITAL ORGANS	1	1	0	1	1	0	0	0	0
610-611	DISORDERS OF BREAST	1	0	1	1	0	1	0	0	0
611	OTHER DISORDERS OF BREAST	1	0	1	1	0	1	0	0	0
614-616	INFLAMMATORY DISEASE OF FEMALE PELVIC ORGANS	5	0	5	5	0	5	0	0	0
614	INFLAMMATORY DISEASE OF OVARY,FALLOPIAN TUBE, PELVIC CELLULAR TISSUE AND PERITONIUM	2	0	2	2	0	2	0	0	0
615	INFLAMMATORY DISEASES OF UTERUS, EXCEPT CERVIX	2	0	2	2	0	2	0	0	0
616	INFLAMMATORY DISEASE OF CERVIX, VAGINA AND VULVA	1	0	1	1	0	1	0	0	0
617-629	OTHER DISORDERS OF FEMALE GENITAL TRACT	2	0	2	2	0	2	0	0	0
619	FISTULAE INVOLVING FEMALE GENITAL TRACT	2	0	2	2	0	2	0	0	0

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ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*630 676	XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND PUERPERIUM	2	0	2	2	0	2	0	0	0
640-648	COMPLICATIONS MAINLY RELATED TO PREGNANCY	1	0	1	1	0	1	0	0	0
646	OTHER COMPLICATIONS OF PREGNANCY, NOT ELSEWHERE CLASSIFIED	1	0	1	1	0	1	0	0	0
660-669	COMPLICATIONS MAINLY DURING LABOUR AND DELIVERY	1	0	1	1	0	1	0	0	0
666	POSTPARTUM HAEMORRHAGE	1	0	1	1	0	1	0	0	0
*680 709	XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	70	27	43	66	27	39	4	0	4
680-686	INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	17	6	11	17	6	11	0	0	0
682	OTHER CELLULITIS AND ABSCESS	12	5	7	12	5	7	0	0	0
686	OTHER LOCAL INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	5	1	4	5	1	4	0	0	0
690-698	OTHER INFLAMMATORY CONDITIONS OF SKIN AND SUBCUTANEOUS TISSUE	12	2	10	11	2	9	1	0	1
691	ATOPIC DERMATITIS AND RELATED CONDITIONS	1	1	0	1	1	0	0	0	0
692	CONTACT DERMATITIS AND OTHER ECZEMA	3	1	2	3	1	2	0	0	0
694	BULLOUS DERMATOSES	2	0	2	2	0	2	0	0	0
695	ERYTHEMATOUS CONDITIONS	5	0	5	4	0	4	1	0	1
696	PSORIASIS AND SIMILAR DISORDERS	1	0	1	1	0	1	0	0	0
700-709	OTHER DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	41	19	22	38	19	19	3	0	3
707	CHRONIC ULCER OF SKIN	41	19	22	38	19	19	3	0	3
*710 739	XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	119	30	89	117	30	87	2	0	2
710-719	ARTHROPATHIES AND RELATED DISORDERS	81	18	63	80	18	62	1	0	1
710	DIFFUSE DISEASES OF CONNECTIVE TISSUE	35	9	26	34	9	25	1	0	1
711	ARTHROPATHY ASSOCIATED WITH INFECTIONS	1	1	0	1	1	0	0	0	0
714	RHEUMATOID ARTHRITIS AND OTHER INFLAMMATORY POLYARTHROPATHIES	36	6	30	36	6	30	0	0	0
715	OSTEOARTHROSIS AND ALLIED DISORDERS	4	1	3	4	1	3	0	0	0
716	OTHER AND UNSPECIFIED ARTHROPATHIES	5	1	4	5	1	4	0	0	0
720-724	DORSOPATHIES	4	1	3	4	1	3	0	0	0
721	SPONDYLOSIS AND ALLIED DISORDERS	4	1	3	4	1	3	0	0	0
725-729	RHEUMATISM, EXCLUDING THE BACK	5	2	3	5	2	3	0	0	0
725	POLYMYALGIA RHEUMATICA	2	0	2	2	0	2	0	0	0
729	OTHER DISORDERS OF SOFT TISSUES	3	2	1	3	2	1	0	0	0
730-739	OSTEOPATHIES CHRONDROPATHIES & ACQUIRED MUSCULOSKELATAL DEFORMITIES	29	9	20	28	9	19	1	0	1
730	OSTEOMYELITIS, PERIOSTITIS AND OTHER INFECTIONS INVOLVING BONE	9	4	5	8	4	4	1	0	1
731	OSTEITIS DEFORMANS AND OSTEOPATHIES ASSOCIATED WITH OTHER DISORDERS CLASSIFIED ELSEWHERE	2	1	1	2	1	1	0	0	0
733	OTHER DISORDERS OF BONE AND CARTILAGE	11	3	8	11	3	8	0	0	0
736	OTHER ACQUIRED DEFORMITIES OF LIMBS	1	1	0	1	1	0	0	0	0
737	CURVATURE OF SPINE	6	0	6	6	0	6	0	0	0

TABLE C-15
RESIDENT DEATHS BY CAUSE, SEX, AND RACE

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*740 759	XIV. CONGENITAL ANOMALIES	299	150	149	280	140	140	18	10	8
740	ANENCEPHALUS AND SIMILAR ANOMALIES	19	7	12	18	6	12	1	1	0
741	SPINA BIFIDA	6	3	3	6	3	3	0	0	0
742	OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	20	13	7	17	11	6	2	2	0
745	BULBUS CORDIS ANOMALIES AND ANOMALIES OF CARDIAC SEPTAL CLOSURE	40	23	17	39	22	17	1	1	0
746	OTHER CONGENITAL ANOMALIES OF HEART	65	26	39	62	26	36	3	0	3
747	OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	36	22	14	31	18	13	5	4	1
748	CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	20	10	10	19	9	10	1	1	0
750	OTHER CONGENITAL ANOMALIES OF UPPER ALIMENTARY TRACT	3	1	2	3	1	2	0	0	0
751	OTHER CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	7	2	5	6	1	5	1	1	0
752	CONGENITAL ANOMALIES OF GENITAL ORGANS	1	0	1	1	0	1	0	0	0
753	CONGENITAL ANOMALIES OF URINARY SYSTEM	17	11	6	15	11	4	2	0	2
755	OTHER CONGENITAL ANOMALIES OF LIMBS	2	1	1	2	1	1	0	0	0
756	OTHER CONGENITAL MUSCULOSKELETAL ANOMALIES	19	11	8	19	11	8	0	0	0
758	CHROMOSOMAL ANOMALIES	20	9	11	20	9	11	0	0	0
759	OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	24	11	13	22	11	11	2	0	2
*760 779	XV. CERTAIN CONDITIONS ORIGINATING IN PERINATAL PERIOD	417	243	174	355	202	153	61	41	20
760	FETUS OR NEWBORN AFFECTED BY MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	1	1	0	1	1	0	0	0	0
761	FETUS OR NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	47	31	16	41	27	14	6	4	2
762	FETUS OR NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA CORD AND MEMBRANES	24	12	12	23	11	12	1	1	0
763	FETUS OR NEWBORN AFFECTED BY OTHER COMPLICATIONS OF LABOUR AND DELIVERY	3	2	1	2	1	1	1	1	0
764	SLOW FETAL GROWTH AND FETAL MALNUTRITION	3	3	0	2	2	0	1	1	0
765	DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	70	37	33	58	29	29	12	8	4
767	BIRTH TRAUMA	6	3	3	5	3	2	1	0	1
768	INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	30	14	16	23	10	13	7	4	3
769	RESPIRATORY DISTRESS SYNDROME	67	44	23	57	38	19	10	6	4
770	OTHER RESPIRATORY CONDITIONS OF FETUS AND NEWBORN	68	36	32	57	29	28	11	7	4
771	INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	16	9	7	15	9	6	1	0	1
772	FETAL AND NEONATAL HAEMORRHAGE	14	8	6	12	6	6	2	2	0
773	HAEMOLYTIC DISEASE OF FETUS OR NEWBORN,DUE TO ISOIMMUNIZATION	1	1	0	1	1	0	0	0	0
775	ENDOCRINE AND METABOLIC DISTURBANCES SPECIFIC TO THE FETUS AND NEWBORN	1	1	0	1	1	0	0	0	0
776	HAEMATOLOGICAL DISORDERS OF FETUS AND NEWBORN	1	1	0	1	1	0	0	0	0
777	PERINATAL DISORDERS OF DIGESTIVE SYSTEM	5	4	1	3	2	1	2	2	0
778	CONDITIONS INVOLVING THE INTEGUMENT AND TEMPERATURE REGULATION OF FETUS AND NEWBORN	3	2	1	3	2	1	0	0	0
779	OTHER AND ILL-DEFINED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	57	34	23	50	29	21	6	5	1

TABLE C-15
RESIDENT DEATHS BY CAUSE, SEX, AND RACE

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*780 799	XVI. SYMPTOMS SIGNS, AND ILL-DEFINED CONDITIONS	317	174	143	268	145	123	38	25	13
780-789	SYMPTOMS	41	18	23	37	16	21	4	2	2
780	GENERAL SYMPTOMS	5	3	2	2	2	0	3	1	2
784	SYMPTOMS INVOLVING HEAD AND NECK	1	1	0	1	1	0	0	0	0
785	SYMPTOMS INVOLVING CARDIOVASCULAR SYSTEM	30	13	17	29	12	17	1	1	0
786	SYMPTOMS INVOLVING RESPIRATORY SYSTEM AND OTHER CHEST SYMPTOM	2	0	2	2	0	2	0	0	0
789	OTHER SYMPTOMS INVOLVING ABDOMEN AND PELVIS	3	1	2	3	1	2	0	0	0
790-796	NONSPECIFIC ABNORMAL FINDINGS	4	3	1	4	3	1	0	0	0
790	NONSPECIFIC FINDINGS ON EXAMINATION OF BLOOD	3	2	1	3	2	1	0	0	0
791	NONSPECIFIC FINDINGS ON EXAMINATION OR URINE	1	1	0	1	1	0	0	0	0
797-799	ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY	272	153	119	227	126	101	34	23	11
797	SENILITY WITHOUT MENTION OF PSYCHOSIS	10	3	7	10	3	7	0	0	0
798	SUDDEN DEATH, CAUSE UNKNOWN	84	50	34	70	41	29	14	9	5
799	OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY	178	100	78	147	82	65	20	14	6
*800 999	XVII. EXTERNAL CAUSES OF INJURY AND POISONING	2627	1829	798	2448	1694	754	173	131	42
800-807	RAILWAY ACCIDENTS	12	12	0	11	11	0	1	1	0
805	HIT BY ROLLING STOCK	12	12	0	11	11	0	1	1	0
810-819	MOTOR VEHICLE TRAFFIC ACCIDENTS	711	523	188	673	499	174	38	24	14
810	INVOLVING COLLISION WITH TRAIN	1	0	1	1	0	1	0	0	0
812	OTHER ACCIDENT INVOLVING COLLISION WITH ANOTHER MOTOR VEHICLE	215	148	67	206	142	64	9	6	3
813	INVOLVING COLLISION WITH OTHER VEHICLE	15	11	4	13	10	3	2	1	1
814	INVOLVING COLLISION WITH PEDESTRIAN	155	108	47	139	99	40	16	9	7
815	OTHER ACCIDENT INVOLVING COLLISION ON THE HIGHWAY	199	162	37	191	157	34	8	5	3
816	DUE TO LOSS OF CONTROL, WITHOUT COLLISION ON THE HIGHWAY	88	69	19	86	67	19	2	2	0
818	OTHER NONCOLLISION MOTOR VEHICLE TRAFFIC ACCIDENT	11	7	4	10	6	4	1	1	0
819	OF UNSPECIFIED NATURE	27	18	9	27	18	9	0	0	0
820-825	MOTOR VEHICLE NONTRAFFIC ACCIDENTS	3	2	1	3	2	1	0	0	0
822	OTHER ACCIDENT INVOLVING COLLISION WITH MOVING OBJECT	1	1	0	1	1	0	0	0	0
823	OTHER ACCIDENT INVOLVING COLLISION WITH STATIONARY OBJECT	1	0	1	1	0	1	0	0	0
825	OTHER ACCIDENT OF OTHER AND UNSPECIFIED NATURE	1	1	0	1	1	0	0	0	0
826-829	OTHER ROAD VEHICLE ACCIDENTS	1	0	1	1	0	1	0	0	0
826	PEDAL CYCLE ACCIDENT	1	0	1	1	0	1	0	0	0
830-838	WATER TRANSPORT ACCIDENTS	25	24	1	24	23	1	0	0	0
830	ACCIDENT TO WATERCRAFT CAUSING SUBMERSION	9	9	0	9	9	0	0	0	0
832	OTHER ACCIDENTAL SUBMERSION OR DROWNING IN WATER TRANSPORT ACCIDENT	10	9	1	10	9	1	0	0	0
837	EXPLOSION,FIRE OR BURNING IN WATERCRAFT	2	2	0	1	1	0	0	0	0
638	OTHER AND UNSPECIFIED WATER TRANSPORT ACCIDENT	4	4	0	4	4	0	0	0	0
840-845	AIR AND SPACE TRANSPORT ACCIDENTS	11	8	3	11	8	3	0	0	0
840	ACCIDENT TO POWERED AIRCRAFT AT TAKEOFF OR LANDING	4	2	2	4	2	2	0	0	0
841	ACCIDENT TO POWERED AIRCRAFT,OTHER AND UNSPECIFIED	5	5	0	5	5	0	0	0	0
844	OTHER SPECIFIED AIR TRANSPORT ACCIDENTS	2	1	1	2	1	1	0	0	0
846-848	VEHICLE ACCIDENTS NOT ELSEWHERE CLASSIFIED	1	0	1	1	0	1	0	0	0
848	ACCIDENTS INVOLVING OTHER VEHICLES NOT ELSEWHERE	1	0	1	1	0	1	0	0	0

TABLE C-15
RESIDENT DEATHS BY CAUSE, SEX, AND RACE

ICD. LIST NUMBER	CAUSE OF DEATH CLASSIFIABLE	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
850-858	ACCIDENTAL POISONING BY DRUGS AND MEDICAMENTS	72	43	29	67	39	28	4	4	0
850	BY ANALGESICS,ANTIPYRETIC,ANTIRHEUMATICS	13	9	4	9	6	3	3	3	0
851	BY BARBITURATES	3	0	3	3	0	3	0	0	0
852	BY OTHER SEDATIVES AND HYPNOTICS	3	3	0	3	3	0	0	0	0
853	BY TRANQUILLIZERS	8	2	6	8	2	6	0	0	0
854	BY OTHER PSYCHOTROPIC AGENTS	5	4	1	5	4	1	0	0	0
855	BY OTHER DRUGS ACTING ON CENTRAL AND AUTONOMIC NERVOUS SYSTEMS	4	2	2	4	2	2	0	0	0
856	BY ANTIBIOTICS	5	1	4	4	0	4	1	1	0
858	BY OTHER DRUGS	31	22	9	31	22	9	0	0	0
860-869	ACCIDENTAL POISONING BY OTHER SUBSTANCES GASES AND VAPOURS	26	19	7	26	19	7	0	0	0
860	BY ALCOHOL, NOT ELSEWHERE CLASSIFIED	3	2	1	3	2	1	0	0	0
861	BY CLEANSING AND POLISHING AGENTS, DISINFECTANTS, PAINTS AND VARNISHES	1	1	0	1	1	0	0	0	0
862	BY PETROLEUM PRODUCTS,OTHER SOLVENTS AND THEIR VAPOURS, NOT ELSEWHERE CLASSIFIED	2	2	0	2	2	0	0	0	0
864	BY CORROSIVES AND CAUSTICS NOT ELSEWHERE CLASSIFIED	1	1	0	1	1	0	0	0	0
867	BY GAS DISTRIBUTED BY PIPELINE	2	2	0	2	2	0	0	0	0
868	BY OTHER UTILITY GAS AND OTHER CARBON MONOXIDE	16	10	6	16	10	6	0	0	0
869	BY OTHER GASES AND VAPOURS	1	1	0	1	1	0	0	0	0
870-876	MISADVENTURE TO PATIENTS DURING SURGICAL AND MEDICAL CARE	2	1	1	2	1	1	0	0	0
870	ACCIDENTAL CUT, PUNCTURE, PERFORATION OR HAEMORRHAGE DURING MEDICAL CARE	2	1	1	2	1	1	0	0	0
878-879	SURGICAL & MEDICAL PROCEDURES AS CAUSE OF LATER COMPLICATION	69	33	36	67	33	34	2	0	2
878	SURGICAL OPERATION/OTHER PROCEDURES AS CAUSE OF ABNORMAL REACTION/LATER COMPLICATION W/O MENTION AT TIME OF OPERATION	64	29	35	62	29	33	2	0	2
879	OTHER PROCEDURES W/O MENTION AT TIME,AS CAUSE OF ABNORMAL REACTION OR LATER COMPLICATION	5	4	1	5	4	1	0	0	0
880-888	ACCIDENTAL FALLS	391	193	198	380	107	193	11	6	5
880	FALL ON OR FROM STAIRS OR STEPS	67	36	31	65	35	30	2	1	1
881	FALL ON OR FROM LADDERS OR SCAFFOLDING	5	5	0	5	5	0	0	0	0
882	FALL FROM OR OUT OF BUILDING OR OTHER STRUCTURE	17	13	4	17	13	4	0	0	0
883	FALL INTO HOLE OR OTHER OPENING IN SURFACE	4	4	0	4	4	0	0	0	0
884	OTHER FALL FROM ONE LEVEL TO ANOTHER	43	21	22	41	20	21	2	1	1
885	FALL ON SAME LEVEL FROM SLIPPING,TRIPPING OR STUMBLING	16	8	8	16	8	8	0	0	0
887	FRACTURE, CAUSE UNSPECIFIED	72	32	40	70	32	38	2	0	2
888	OTHER AND UNSPECIFIED FALL	167	74	93	162	70	92	5	4	1
890-899	ACCIDENTS CAUSED BY FIRES AND FLAMES	95	61	34	88	57	31	7	4	3
890	CONFLAGRATION IN PRIVATE DWELLING	71	46	25	67	44	23	4	2	2
891	CONFLAGRATION IN OTHER AND UNSPECIFIED BUILDING OR STRUCTURE	3	1	2	3	1	2	0	0	0
892	CONFLAGRATION NOT IN BUILDING OR STRUCTURE	3	3	0	3	3	0	0	0	0
893	ACCIDENT CAUSED BY IGNITION OF CLOTHING	8	4	4	8	4	4	0	0	0
894	IGNITION OF HIGHLY INFLAMMABLE MATERIAL	2	2	0	1	1	0	1	1	0
898	ACCIDENT CAUSED BY OTHER SPECIFIED FIRE AND FLAMES	4	2	2	3	1	2	1	1	0
899	ACCIDENT CAUSED BY UNSPECIFIED FIRE	4	3	1	3	3	0	1	0	1

TABLE C-15
RESIDENT DEATHS BY CAUSE, SEX, AND RACE

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	XVII. EXTERNAL CAUSES OF INJURY AND POISONING (CONTINUED)									
900-909	ACCIDENTS CAUSED BY NATURAL AND ENVIRONMENTAL FACTORS	26	13	13	23	11	12	3	2	1
900	EXCESSIVE HEAT	3	1	2	3	1	2	0	0	0
901	EXCESSIVE COLD	13	6	7	12	5	7	1	1	0
904	HUNGER, THIRST, EXPOSURE, NEGLECT	10	6	4	8	5	3	2	1	1
910-915	ACCIDENTS CAUSED BY SUBMERSION SUFFOCATION & FOREIGN BODIES	204	139	65	193	130	63	10	8	2
910	ACCIDENTAL DROWNING AND SUBMERSION	78	64	14	72	60	12	6	4	2
911	INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	41	21	20	38	18	20	3	3	0
912	INHALATION AND INGESTION OF OTHER OBJECT CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	59	32	27	59	32	27	0	0	0
913	ACCIDENTAL MECHANICAL SUFFOCATION	25	22	3	23	20	3	1	1	0
915	FOREIGN BODY ACCIDENTALLY ENTERING OTHER ORIFICE	1	0	1	1	0	1	0	0	0
916-928	OTHER ACCIDENTS	117	96	21	111	92	19	6	4	2
916	STRUCK ACCIDENTALLY BY FALLING OBJECT	9	9	0	9	9	0	0	0	0
917	STRIKING AGAINST OR STRUCK ACCIDENTALLY BY OBJECTS OR OR PERSON	1	1	0	1	1	0	0	0	0
918	CAUGHT ACCIDENTALLY IN OR BETWEEN OBJECTS	1	1	0	1	1	0	0	0	0
919	ACCIDENTS CAUSED BY MACHINERY	11	11	0	10	10	0	1	1	0
920	ACCIDENTS CAUSED BY CUTTING AND PIERCING INSTRUMENTS OR OBJECT	6	6	0	6	6	0	0	0	0
922	ACCIDENT CAUSED BY FIREARM MISSILE	17	17	0	16	16	0	1	1	0
923	ACCIDENT CAUSED BY EXPLOSIVE MATERIAL	1	1	0	1	1	0	0	0	0
924	ACCIDENT CAUSED BY HOT SUBSTANCE OR OBJECT, CAUSTIC OR CORROSION MATERIAL AND STEAM	3	1	2	2	1	1	1	0	1
925	ACCIDENT CAUSED BY ELECTRIC CURRENT	13	13	0	12	12	0	1	1	0
928	OTHER AND UNSPECIFIED ENVIRONMENTAL AND ACCIDENTAL CAUSES	55	36	19	53	35	18	2	1	1
929-929	LATE EFFECTS OF ACCIDENTAL INJURY	14	11	3	11	8	3	3	3	0
929	LATE EFFECTS OF ACCIDENTAL INJURY	14	11	3	11	8	3	3	3	0
930-949	DRUGS MEDICAMENTS AND BIOLOGICAL SUBSTANCES IN THERAPY	5	1	4	5	1	4	0	0	0
935	ANALGESICS, ANTIPYRETICS AND ANTIRHEUMATICS	1	0	1	1	0	1	0	0	0
942	AGENTS PRIMARILY AFFECTING THE CARDIOVASCULAR SYSTEM	1	0	1	1	0	1	0	0	0
947	OTHER AND UNSPECIFIED DRUGS AND MEDICAMENTS	3	1	2	3	1	2	0	0	0
950-959	SUICIDE AND SELF-INFLICTED INJURY	538	[illegible]	124	521	401	120	15	12	3
950	BY SOLID OR LIQUID SUBSTANCES	65	[illegible]	36	63	28	35	2	1	1
952	BY OTHER GASES AND VAPOURS	64	[illegible]	23	61	39	22	3	2	1
953	BY HANGING, STRANGULATION AND SUFFOCATION	183	154	29	178	150	28	5	4	1
954	BY SUBMERSION (DROWNING)	25	14	11	23	13	10	1	1	0
955	BY FIREARMS AND EXPLOSIVES	147	135	12	145	133	12	2	2	0
956	BY CUTTING AND PIERCING INSTRUMENTS	12	10	2	12	10	2	0	0	0
957	BY JUMPING FROM HIGH PLACE	26	19	7	23	16	7	2	2	0
958	BY OTHER AND UNSPECIFIED MEANS	16	12	4	16	12	4	0	0	0
960-969	HOMICIDE AND INJURY PURPOSELY INFLICTED BY OTHER PERSONS	239	179	60	179	128	51	59	50	9
960	FIGHT, BRAWL, RAPE	3	1	2	3	1	2	0	0	0
962	ASSAULT BY POISONING	1	0	1	1	0	1	0	0	0
963	ASSAULT BY HANGING AND STRANGULATION	7	4	3	4	3	1	3	1	2
965	ASSAULT BY FIREARMS AND EXPLOSIVES	93	79	14	63	51	12	30	28	2

TABLE C-15
RESIDENT DEATHS BY CAUSE, SEX, AND RACE

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	XVII. EXTERNAL CAUSES OF INJURY AND POISONING (CONTINUED)									
966	ASSAULT BY CUTTING AND PIERCING INSTRUMENT	65	53	12	45	35	10	19	17	2
967	CHILD BATTERING AND OTHER MALTREATMENT	1	0	1	1	0	1	0	0	0
968	ASSAULT BY OTHER AND UNSPECIFIED MEANS	69	42	27	62	38	24	7	4	3
970-978	LEGAL INTERVENTION	9	9	0	6	6	0	3	3	0
970	BY FIREARMS	9	9	0	6	6	0	3	3	0
980-989	INJURY UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	56	48	8	45	38	7	11	10	1
980	POISONING BY SOLID OR LIQUID SUBSTANCES,UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	23	21	2	18	17	1	5	4	1
982	POISONING BY OTHER GASES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	4	4	0	4	4	0	0	0	0
983	HANGING, STRANGULATION OR SUFFOCATION, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	2	2	0	1	1	0	1	1	0
984	SUBMERSION (DROWNING), UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	10	8	2	8	6	2	2	2	0
985	INJURY BY FIREARMS AND EXPLOSIVES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	5	4	1	5	4	1	0	0	0
986	INJURY BY CUTTING AND PIERCING INSTRUMENTS, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	1	1	0	0	0	0	1	1	0
987	FALLING FROM HIGH PLACE, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	2	0	2	2	0	2	0	0	0
988	INJURY BY OTHER AND UNSPECIFIED MEANS, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	9	8	1	7	6	1	2	2	0
	TOTALS	52868	26395	26473	51203	25494	25709	1630	881	749

NOTE: TOTALS REFLECT 20 MALES AND 15 FEMALES OF UNKNOWN RACE.

NEONATAL AND INFANT DEATHS

SECTION D

INFANT AND NEONATAL MORTALITY

In 1982, the numbers and rates of infant and neonatal deaths increased. The rate for infant deaths (deaths under 1 year) rose from 9.6 per 1,000 live births in 1981 to 10.1, an increase of 7.6%. The neonatal death (deaths under 28 days) rate rose from 6.9 per 1,000 live births to 7.6, an increase of 12.4%. During 1982, there was a 2.5% increase in the number of births. The total number of deaths in Massachusetts rose by 54 in 1982. The number of infant and neonatal deaths increased by the same number, thus increasing their proportion of total deaths. The 1981 infant and neonatal death rates were the lowest ever recorded in Massachusetts.

The majority (62%) of neonatal deaths occurred in babies less than one day old. Deaths to babies under one week old constituted 87.4% of all neonatal deaths. Neonatal deaths represented 75% of all infant deaths. In 1981, neonatal deaths were approximately 72% of all infant deaths.

Of the 573 neonatal deaths, 68.2% were due to "certain conditions originating in the perinatal period" (ICD-9 codes 760-779) and an additional 25% were due to "congenital anomalies" (ICD-9 codes 740-759).

The number of infant deaths in the post-neonatal stage decreased by nine in 1982 to 191. The causes of death for this group were somewhat different with 38% due to Sudden Infant Death Syndrome, a 12.3% increase over 1981, and 21.4% due to congenital anomalies. Table D-3 describes more specifically cause of death by age and sex.

A disproportionate number of the infant and neonatal deaths were of non-white babies. Of all babies born in the Commonwealth in 1982, 9.1% were non-white and 2.3% were of unknown race. Of the infant deaths, 14% were non-white and 13.6% of the neonatal deaths were non-white. Perinatal mortality is, in fact, the fifth leading cause of death for non-white in Massachusetts.

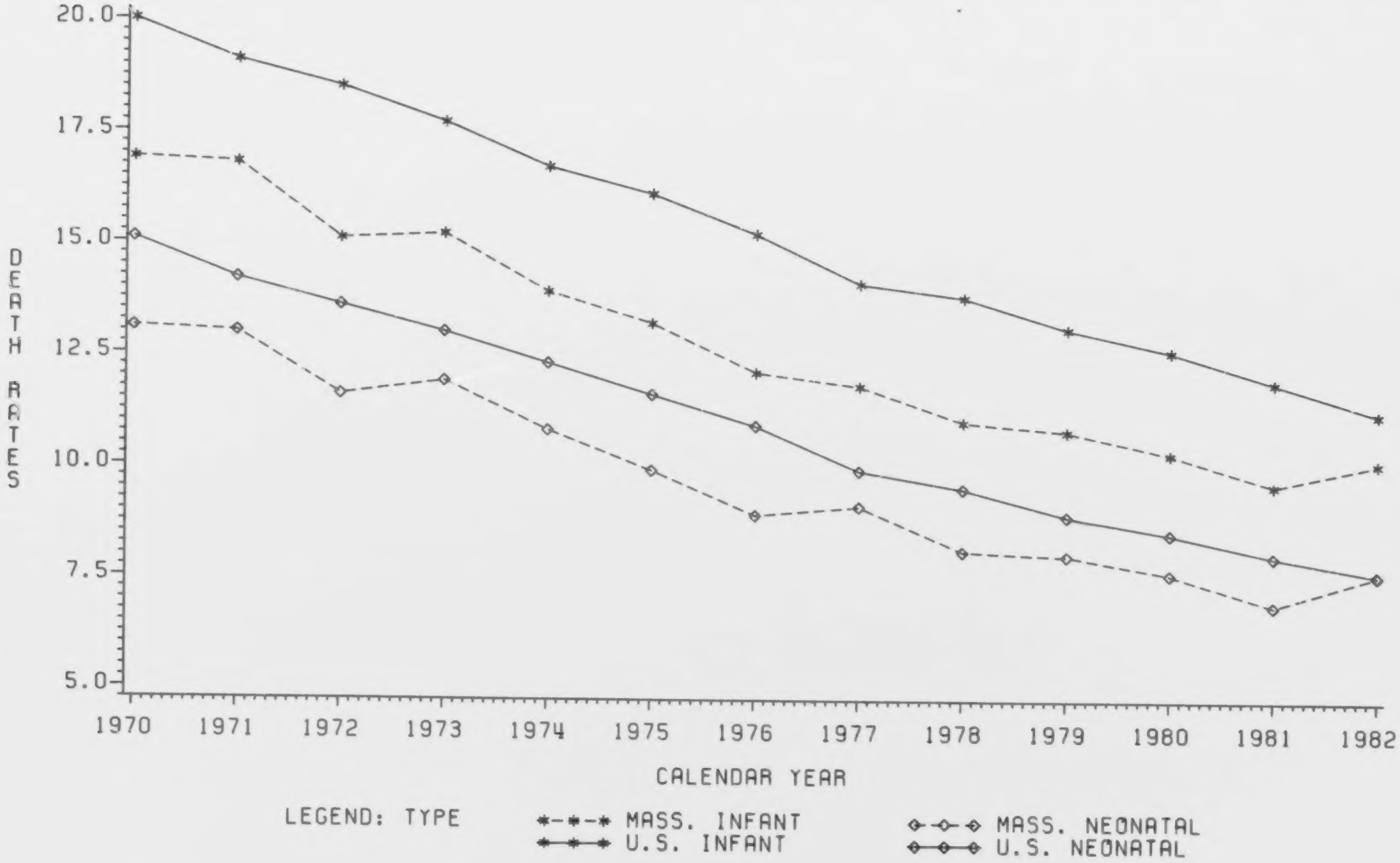
Neonatal mortality is strongly related to birthweight. Babies of immature birthweight (under 2500 grams or 5 pounds, 8 ounces) accounted for only 5.9% of all babies born in 1982, but neonatal deaths matched with birth records reflected 77.8% of the deaths were to low weight babies. New weight categories are included in Table D-4 for ease in comparing data generated by other agencies.

FIGURE D-1

INFANT AND NEONATAL DEATH RATES

MASSACHUSETTS AND UNITED STATES

1970 TO 1982



1982 U.S. DATA IS PROVISIONAL

TABLE D-1
RESIDENT INFANT AND NEONATAL DEATHS, MASSACHUSETTS AND UNITED STATES
1970-1982

	DEATHS UNDER ONE YEAR			DEATHS UNDER 28 DAYS		
YEAR	MASS. NUMBER	PER 1,000 LIVE BIRTHS		MASS. NUMBER	PER 1,000 LIVE BIRTHS	
		MASS.	U.S.		MASS.	U.S.
1970	1,583	16.9	20.0	1,231	13.1	15.1
1971	1,462	16.8	19.1	1,130	13.0	14.2
1972	1,164	15.1	18.5	896	11.6	13.6
1973	1,104	15.2	17.7	861	11.9	13.0
1974	976	13.9	16.7	763	10.8	12.3
1975	903	13.2	16.1	678	9.9	11.6
1976	799	12.1	15.2	585	8.9	10.9
1977	806	11.8	14.1	616	9.1	9.9
1978	753	11.0	13.8	552	8.1	9.5
1979	760	10.8	13.1	564	8.0	8.9
1980	748	10.3	12.6	550	7.6	8.5
1981	710	9.6	11.7*	510	6.9	7.8*
1982	764	10.1	11.2*	573	7.6	7.6*

*1981 AND 1982 U.S. RATES ARE PROVISIONAL.

FIGURE D-2

INFANT AND NEONATAL DEATH RATES BY RACE

MASSACHUSETTS 1975 TO 1982

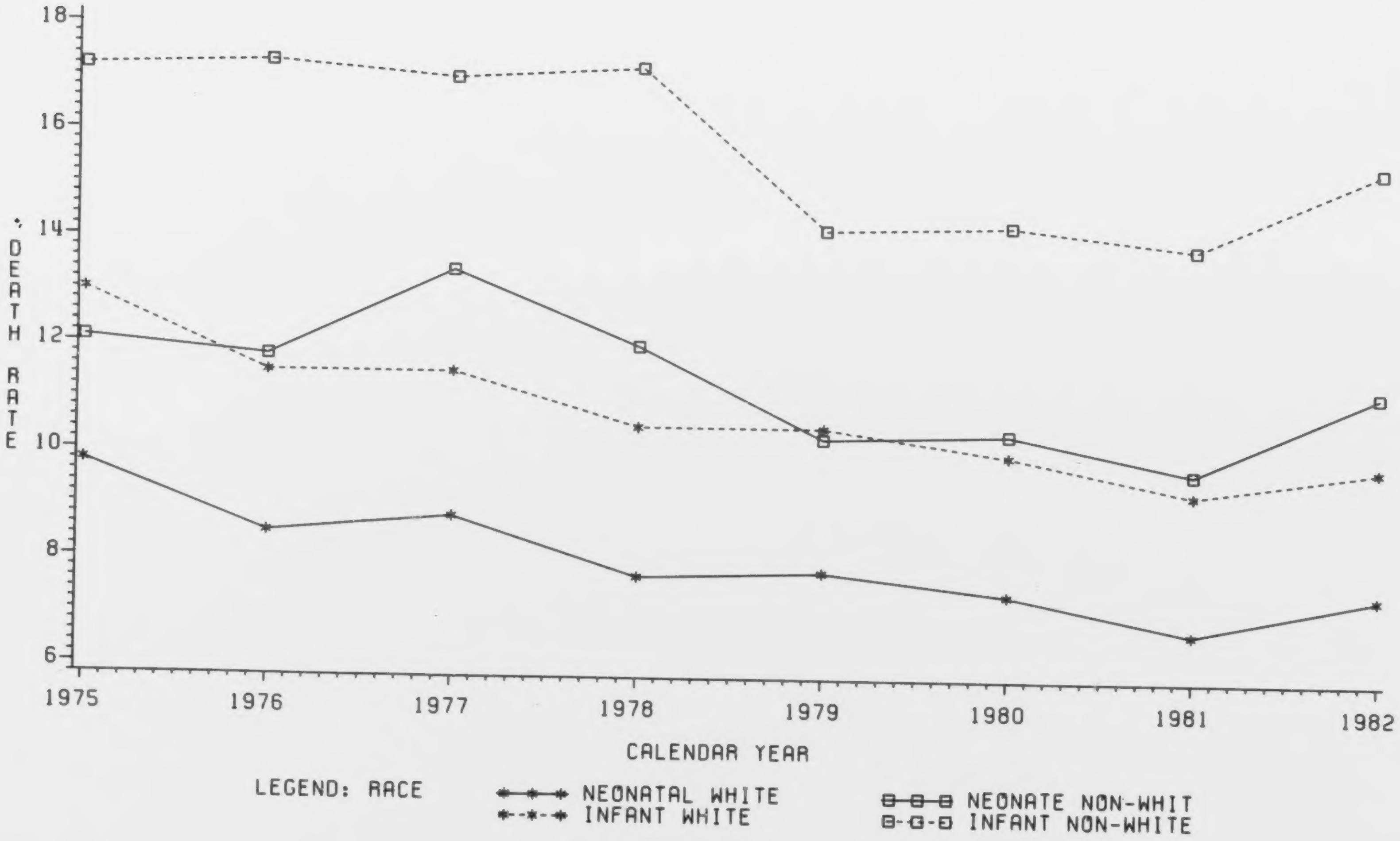


TABLE D-2
INFANT AND NEONATAL DEATHS BY AGE, SEX AND RACE, MASSACHUSETTS RESIDENTS
1982

	- WHITE -			- NON-WHITE -			- TOTAL -		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
LESS THAN 1 DAY	167	141	309**	31	14	45	198	156*	355**
1 DAY	27	25	52	2	5	7	29	30	59
2 DAYS	30	11	41	5	3	8	35	14	49
3 DAYS	5	7	12	3	1	4	8	8	16
4 DAYS	2	0	2	0	0	0	2	0	2
5 DAYS	6	6	12	1	0	1	7	6	13
6 DAYS	1	3	4	2	1	3	3	4	7
LESS THAN 1 WEEK	238	193	432**	44	24	68	282	218*	501**
7-13 DAYS	27	7	34	3	0	3	30	7	37
14-27 DAYS	16	12	28	5	2	7	21	14	35
LESS THAN 28 DAYS	281	212	494**	52	26	78	333	239*	573**
RATE	8.2	6.5	7.4	14.5	7.7	11.2	8.6	6.5	7.6
1 MONTH	16	16	32	3	4	7	19	20	39
2 MONTHS	20	17	37	6	2	8	26	19	45
3 MONTHS	15	9	24	2	0	2	17	9	26
4 MONTHS	11	4	15	2	2	4	13	6	19
5 MONTHS	6	3	9	3	0	3	9	3	12
6 MONTHS	5	8	13	0	0	0	5	8	13
7 MONTHS	1	6	7	0	0	0	1	6	7
8 MONTHS	3	0	3	0	0	0	3	0	3
9 MONTHS	6	4	10	2	0	2	8	4	12
10 MONTHS	2	3	5	0	0	0	2	3	5
11 MONTHS	1	6	7	1	2	3	2	8	10
TOTAL LESS THAN 1 YEAR	367	288	656**	71	36	107	438	325*	764**
RATE	10.7	8.8	9.8	19.8	10.7	15.4	11.3	8.8	10.1

*TOTALS INCLUDE ONE DEATH OF UNKNOWN RACE.

**TOTALS INCLUDE ONE DEATH OF UNKNOWN SEX.

NOTE: RATES WERE DETERMINED BY USING 1982 SEX AND RACE MASSACHUSETTS RESIDENT BIRTHS. 1982 BIRTHS OF UNKNOWN RACE WERE EXCLUDED FROM DETERMINATION OF RATES BY RACE.

TABLE D-3
NEONATAL AND INFANT DEATHS BY CAUSE, AGE AND SEX, MASSACHUSETTS RESIDENTS
1982

CAUSE	SEX	- NEONATAL AGE -			- POST NEONATAL AGE -				TOTAL
		<1 DAY	1-6 DAYS	7-27 DAYS	1-3 MOS	4-6 MOS	7-9 MOS	10-11 MOS	
DISEASES OF THE NERVOUS SYSTEM & SENSE ORGANS (320-389)	M	0	0	0	0	2	2	0	4
	F	0	0	1	1	2	0	0	4
	T N	0	0	1	1	4	2	0	8
	%	0.0	0.0	1.4	0.9	9.1	9.1	0.0	1.0
DISEASES OF THE CIRCULATORY SYSTEM (390-459)	M	1	2	2	3	1	1	1	11
	F	0	2	1	0	1	0	1	5
	T N	1	4	3	3	2	1	2	16
	%	0.3	2.7	4.2	2.7	4.5	4.5	13.3	2.1
DISEASES OF THE RESPIRATORY SYSTEM (460-519)	M	3	0	0	7	2	1	0	13
	F	0	2	0	3	0	0	2	7
	T N	3	2	0	10	2	1	2	20
	%	0.8	1.4	0.0	9.1	4.5	4.5	13.3	2.6
DISEASES OF THE DISGESTIVE SYSTEM (520-579)	M	0	0	1	1	0	1	0	3
	F	0	2	0	0	0	0	0	2
	T N	0	2	1	1	0	1	0	5
	%	0.0	1.4	1.4	0.9	0.0	4.5	0.0	0.7
CONGENITAL ANOMALIES (740-759)									
Of nervous system (740-742)	M	7	4	1	3	0	1	0	16
	F	12	2	1	1	0	0	0	16
	T	19	6	2	4	0	1	0	32
Of heart and circulatory systems (745-747)	M	4	15	11	2	4	1	1	38
	F	6	12	5	7	4	2	0	36
	T	10	27	16	9	8	3	1	74
Of respiratory system (748)	M	5	3	1	0	0	0	0	9
	F	6	2	0	1	0	0	0	9
	T	11	5	1	1	0	0	0	18
Chromosomal anomalies (758)	M	1	2	0	2	0	0	0	5
	F	1	1	0	2	0	1	1	6
	T	2	3	0	4	0	0	1	11
Other congenital anomalies (749-757, 759)	M	18	3	2	2	1	0	0	26
	F	10	6	0	2	0	0	3	21
	U	1	0	0	0	0	0	0	1
	T	29	9	2	4	1	0	3	48
TOTAL CONGENITAL ANOMALIES	M	35	27	15	9	5	2	1	94
	F	35	23	6	13	4	3	4	88
	U	1	0	0	0	0	0	0	1
	T N	71	50	21	22	9	5	5	183
	%	20.0	34.2	29.2	20.0	20.5	22.7	33.3	24.0
CERTAIN CONDITIONS ORIGINATING IN PERINATAL PERIOD (760-779)									
Maternal conditions (760-763)	M	44	2	0	0	0	0	0	46
	F	28	1	0	0	0	0	0	29
	T	72	3	0	0	0	0	0	75
Disorders relating to short gestation (765)	M	33	3	0	1	0	0	0	37
	F	32	10	0	0	0	0	0	33
	T	65	4	0	1	0	0	0	70
Interuterine hypoxia & birth asphyxia (768)	M	7	4	3	0	0	0	0	14
	F	12	3	0	0	0	0	0	15
	T	19	7	3	0	0	0	0	29

TABLE D-3 (continued)
NEONATAL AND INFANT DEATHS BY CAUSE, AGE AND SEX, MASSACHUSETTS RESIDENTS
1982

CAUSE	SEX	- NEONATAL AGE - <1 DAY	1-6 DAYS	7-27 DAYS	- POST NEONATAL AGE - 1-3 MOS	4-6 MOS	7-9 MOS	10-11 MOS	TOTAL
Respiratory distress syndrome (769)	M	19	18	5	1	0	0	0	43
	F	12	7	4	0	0	0	0	23
	T	31	25	9	1	0	0	0	66
Other respiratory infections of newborn (770)	M	18	11	2	1	1	1	1	35
	F	16	8	1	0	2	2	2	31
	T	34	19	3	1	3	3	3	66
Other and ill-defined (767, 771-779)	M	36	11	14	0	0	0	0	61
	F	21	9	6	0	0	1	0	37
	T	57	20	20	0	0	1	0	98
TOTAL OF CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	M	157	49	24	3	1	1	1	236
	F	121	29	11	0	2	3	2	168
	T N	278	78	35	3	3	4	3	404
	%	78.3	53.4	48.6	2.7	6.8	18.2	20.0	52.9
SUDDEN INFANT DEATH SYNDROME (7980)	M	1	2	4	29	9	3	0	48
	F	0	1	1	21	8	1	1	33
	T N	1	3	5	50	17	4	1	81
	%	0.3	2.1	6.9	45.5	38.6	18.2	6.7	10.6
EXTERNAL CAUSES (800-999)	M	0	0	1	2	2	1	1	7
	F	0	0	0	5	0	1	1	7
	T N	0	0	1	7	2	2	2	14
	%	0.0	0.0	1.4	6.4	4.5	9.1	13.3	1.8
ALL OTHER CAUSES	M	1	4	4	8	5	0	0	22
	F	0	3	1	5	0	2	0	11
	T N	1	7	5	13	5	2	0	33
	%	0.3	4.8	6.9	11.8	11.4	9.1	0.0	4.3
TOTAL	M	198	84	51	62	27	12	4	438
	F	156	62	21	48	17	10	11	325
	U	1	0	0	0	0		0	1
	T N	355	146	72	110	44	22	15	764
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

FIGURE D-3

NEONATAL DEATHS BY MEAN BIRTHWEIGHT

1969 TO 1982

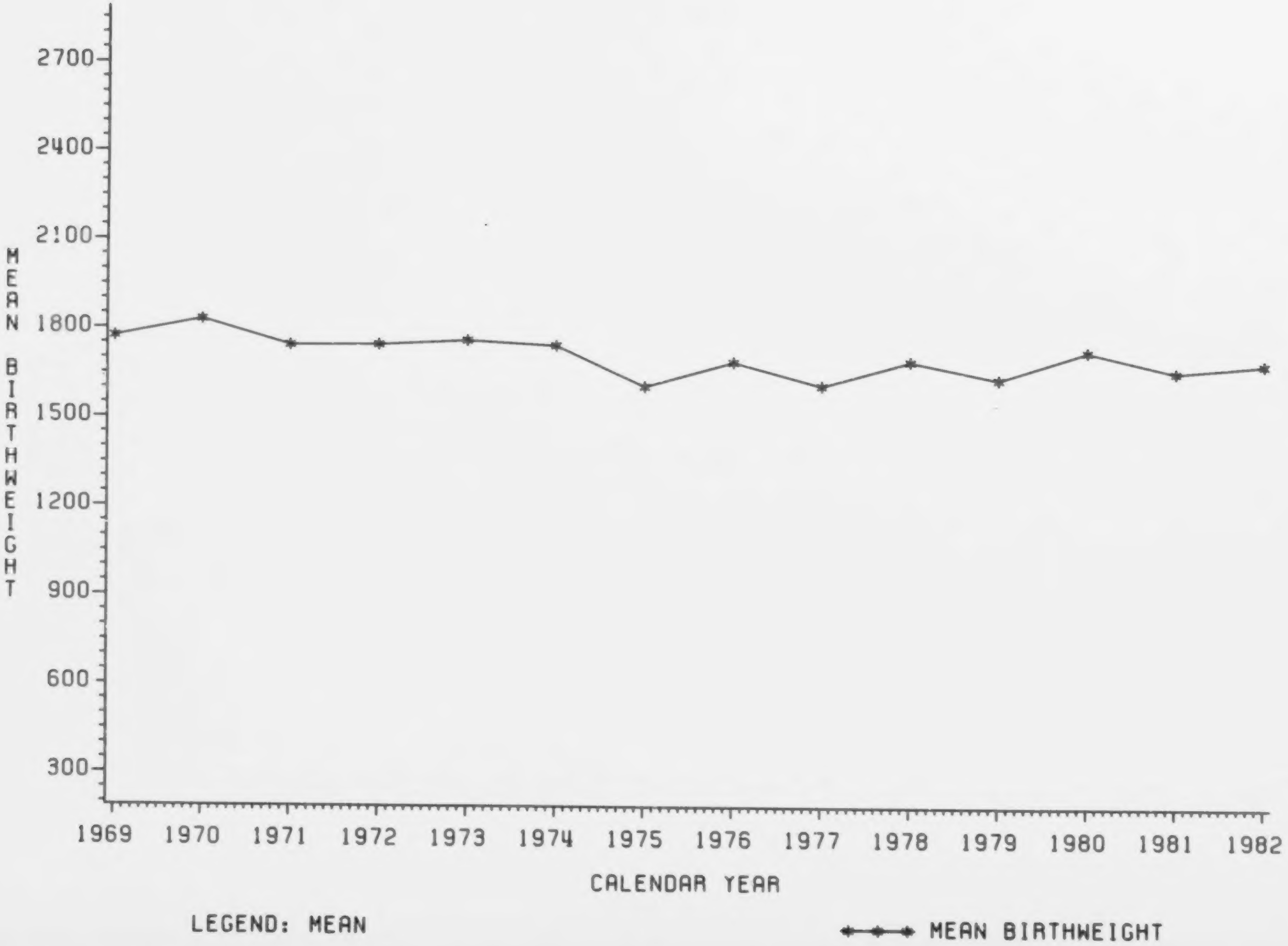


TABLE D-4
NEONATAL MORTALITY BY BIRTHWEIGHT*, MASSACHUSETTS RESIDENTS
1970-1982

		<500 gms	500-1499 gms	1500-2499 gms	2500-4499 gms	4500-8165 gms	UNKNOWN	ALL BIRTHWEIGHTS
1970	DEATHS	99	536	319	297	4	20	1,255
	BIRTHS	127	894	6,197	88,093	1,196	42	96,507
	RATE	779.5	599.6	51.5	3.4	3.3		13.0
1971	DEATHS	86	517	286	245	4	9	1,138
	BIRTHS	97	837	5,414	81,962	1,168	18	89,478
	RATE	886.6	617.7	52.8	3.0	3.4		12.7
1972	DEATHS	71	420	202	204	2	13	899
	BIRTHS	88	719	4,783	72,483	1,088	27	79,161
	RATE	806.8	584.1	42.2	2.8	1.8		11.4
1973	DEATHS	86	410	169	202	5	7	872
	BIRTHS	96	713	4,500	67,841	1,040	12	74,190
	RATE	895.8	575.0	37.6	3.0	4.8		11.8
1974	DEATHS	83	362	157	166	4	13	772
	BIRTHS	103	639	4,078	66,081	999	26	71,900
	RATE	805.8	566.5	38.5	2.5	4.0		10.7
1975	DEATHS	85	339	112	123	2	10	661
	BIRTHS	121	665	3,997	63,976	967	23	69,726
	RATE	702.5	509.8	28.0	1.9	2.1		9.5
1976	DEATHS	80	272	90	122	4	19	568
	BIRTHS	109	621	3,807	61,980	1,101	46	67,618
	RATE	733.9	438.0	23.6	2.0	3.6		8.4
1977	DEATHS	90	294	96	124	0	24	604
	BIRTHS	122	635	3,760	63,861	1,161	50	69,539
	RATE	737.7	463.0	25.5	1.9	0		8.7
1978	DEATHS	106	261	84	119	3	35	573
	BIRTHS	130	642	3,784	64,467	1,246	56	70,269
	RATE	815.4	406.5	22.2	1.8	2.4		8.2
1979	DEATHS	90	290	92	105	2	15	579
	BIRTHS	141	660	3,660	66,439	1,395	69	72,295
	RATE	638.3	439.4	25.1	1.6	1.4		8.0
1980	DEATHS	119	248	76	118	4	30	565
	BIRTHS	158	653	3,745	68,245	1,450	67	74,251
	RATE	753.2	379.8	20.3	1.7	2.8		7.6
1981	DEATHS	113	208	58	99	4	36	482
	BIRTHS	136	662	3,735	69,512	1,501	52	75,546
	RATE	830.9	314.2	15.5	1.4	2.7		6.4
1982	DEATHS	111	276	71	128	3	16	589
	BIRTHS	144	748	3,685	71,339	1,525	53	77,441
	RATE	770.8	369.0	19.3	1.8	2.0		7.6

*THE FIGURES USED IN THIS TABLE CANNOT BE DIRECTLY COMPARED WITH OTHER TABLES IN THIS SECTION. THE FIGURES USED IN THIS TABLE ARE BASED ONLY ON THOSE RESIDENT NEONATAL DEATHS IN WHICH THE CHILD WAS BORN DURING 1982 AND BOTH THE BIRTH AND DEATH RECORDS ARE AVAILABLE TO COMPLETE A MATCH. FOR EXAMPLE, IF A CHILD WAS BORN TO NON-RESIDENTS DURING 1982 AND THE PARENTS MOVED TO MASSACHUSETTS PRIOR TO THE CHILD'S DEATH, THIS RECORD WOULD NOT BE INCLUDED. FURTHER, A NEONATAL DEATH WHICH OCCURRED IN JANUARY OF 1982 MAY HAVE BEEN TO A CHILD BORN IN 1981 AND WOULD NOT BE INCLUDED IN THIS TABLE.

THE RATE IS THE NUMBER OF NEONATAL DEATHS PER 1,000 LIVE BIRTHS.

UNKNOWNS INCLUDE BIRTHWEIGHTS GREATER THAN 8165 GRAMS.

MARRIAGES AND DIVORCES

SECTION E

MARRIAGES AND DIVORCES

Marriages and divorces are reported by place of occurrence in Massachusetts, and not by the residence of the parties involved. Marriages and divorces which involve Massachusetts residents but occur in other states are not included in these figures. There is no system of interstate information exchange for these events, as there is for births and deaths. It should be noted, however, that, unlike some states, Massachusetts marriage and divorce laws neither encourage out-of-state residents to come to the state nor discourage residents from utilizing the system by unreasonable waiting periods, etc. This allows the data to be used to estimate resident activity in this area.

There were 48,654 marriages performed in the Commonwealth during 1982, an increase of 852 (1.8%) over the 1981 figure, resulting in a rate of 8.5 per 1,000 population. Of the brides, 75.1% had never been married before, 2.7% were widowed and 22.1% were previously divorced. The previous marital status of the grooms was similar. People under the age of twenty accounted for 11.1% of the brides and 3.7% of the grooms. June was still the most popular month with 12.6% of the weddings and January the least popular with only 4.2%.

There were 19,531 divorces granted in Massachusetts in 1982, an increase of only 29 divorces from 1981. The rate per 1,000 population has increased from 1.9 in 1970 to 3.4 in 1982. While the Massachusetts rate for divorce per 1,000 residents remained static for 1982, the U.S. rate decreased from 5.3 to 5.1 per 1,000, thus further diminishing the difference between the state and national rates.

TABLE E-1
MARRIAGES AND DIVORCES BY COUNTY
1982

	MARRIAGES	DIVORCES
BARNSTABLE	1,769	641
BERKSHIRE	1,379	554
BRISTOL	4,134	1,589
DUKES	235	36
ESSEX	5,811	2,199
FRANKLIN	550	306
HAMPDEN	3,850	1,569
HAMPSHIRE	1,013	375
MIDDLESEX	11,427	4,655
NANTUCKET	185	19
NORFOLK	4,781	1,544
PLYMOUTH	3,163	1,511
SUFFOLK	4,797	1,722
WORCESTER	5,560	2,811
TOTAL	48,654	19,531

FIGURE E-1

RATES OF MARRIAGE AND DIVORCE

1900–1982

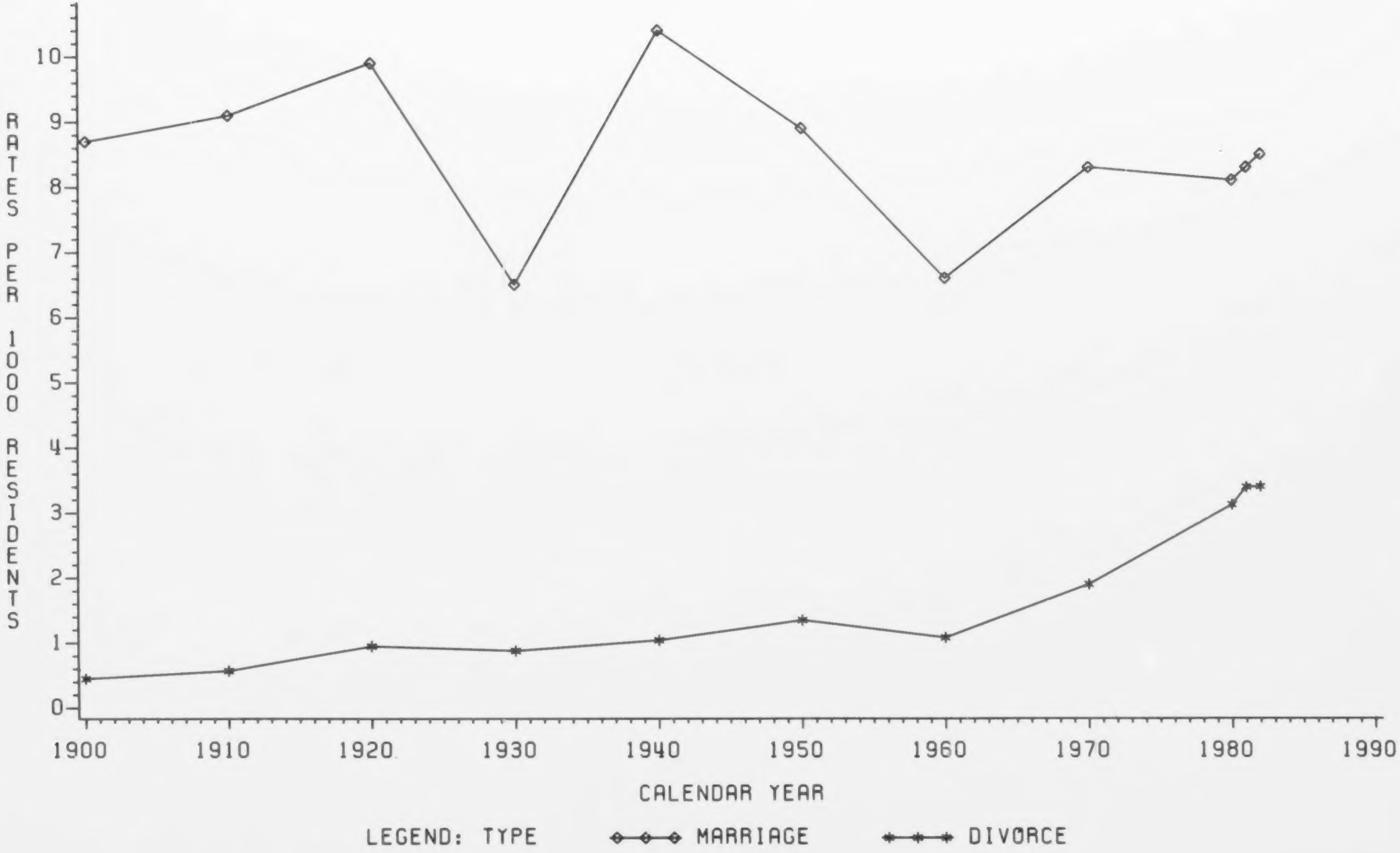


TABLE E-2
MARRIAGES AND DIVORCES AND RATES PER THOUSAND POPULATION
1900-1982

YEAR	MARRIAGES	RATE	DIVORCES	RATE
1900	24,342	8.7	1,258	0.45
1905	27,184	9.1	1,554	0.52
1910	30,710	9.1	1,929	0.57
1915	31,301	8.5	2,252	0.61
1920	38,048	9.9	3,647	0.95
1925	31,238	7.5	3,395	0.82
1930	27,431	6.5	3,746	0.88
1935	30,019	6.9	4,081	0.94
1940	44,836	10.4	4,502	1.04
1945	38,197	8.5	6,833	1.51
1950	41,711	8.9	6,365	1.35
1955	35,585	7.3	5,601	1.15
1960	34,050	6.6	5,592	1.08
1965	38,281	7.2	7,728	1.46
1970	47,292	8.3	10,818	1.90
1975	42,103	7.3	16,460	2.84
1980	46,273	8.1	17,873	3.12
1981	47,802	8.3	19,502	3.39
1982	48,654	8.5	19,531	3.40

TABLE E-3
MARRIAGES BY AGE AND MARITAL STATUS
1982

- BRIDE -

AGE	SINGLE	%	WIDOWED	%	DIVORCED	%	TOTAL	%
<20	5,386	11.1	0	0	19	0	5,405	11.1
20-29	27,456	56.4	82	0.2	3,713	7.6	31,251	64.2
30-39	3,324	6.8	191	0.4	4,826	10.0	8,341	17.1
40-49	265	0.5	259	0.5	1,626	3.3	2,150	4.4
50-59	79	0.2	301	0.6	500	1.0	880	1.8
60-69	29	0.1	328	0.7	113	0.2	470	1.0
≥70	12	0	131	0.3	14	0	157	0.3
TOTAL	36,551	75.1	1,292	2.7	10,811	22.1	48,654	100.0

- GROOM -

AGE	SINGLE	%	WIDOWED	%	DIVORCED	%	TOTAL	%
<20	1,802	3.7	1	0	1	0	1,804	3.7
20-29	27,358	56.2	36	0.1	2,380	4.9	29,774	61.2
30-39	5,476	11.3	91	0.2	5,693	11.7	11,260	23.1
40-49	447	0.9	155	0.3	2,561	5.3	3,163	6.5
50-59	144	0.3	363	0.7	1,066	2.2	1,573	3.2
60-69	36	0.1	436	0.9	267	0.5	739	1.5
≥70	13	0	271	0.6	57	0.1	341	0.7
TOTAL	35,276	72.5	1,353	2.8	12,025	24.7	48,654	100.0

TABLE E-4
NUMBER OF MARRIAGES FOR AGE OF BRIDE BY AGE OF GROOM
1982

AGE OF BRIDE	- AGE OF GROOM -							
	<20	20-29	30-39	40-49	50-59	60-69	≥70	TOTAL
<20	1,355	3,882	149	13	6	0	0	5,405
20-29	434	24,061	6,101	564	85	5	1	31,251
30-39	14	1,760	4,599	1,587	326	48	7	8,341
40-49	1	67	385	895	662	132	8	2,150
50-59	0	4	24	95	421	283	53	880
60-69	0	0	2	9	72	241	146	470
≥70	0	0	0	0	1	30	126	157
TOTAL	1,804	29,774	11,260	3,163	1,573	739	341	48,654

INDUCED ABORTIONS

SECTION F

INDUCED ABORTIONS

There were 40,394 induced abortions reported in 1982, a decrease of 519 from the total of 40,913 reported in 1981. The ratio of abortions to live births was 522 per 1,000 live births, slightly more than five abortions for every 10 births.

Over half (60%) of induced abortions were performed on women between the ages of 20 and 29. Women under the age of 20 accounted for 23.6% of all induced abortions, reflecting more abortions than births for this age group. The data on induced abortions must be considered differently from the data for births. These data represent abortions performed in Massachusetts. It is not possible to ascertain the number of abortions performed on non-residents or the number which may have been obtained in other states by residents of Massachusetts.

Clinics account for nearly 74% of induced abortions, while 15% occur in hospitals. The balance are provided by group practices and private physicians.

TABLE F-1
RATE OF ABORTIONS TO BIRTHS BY AGE OF WOMAN
1982

AGE	# OF ABORTIONS 1982	% OF TOTAL ABORTIONS	1982 OCCURRENCE BIRTHS	% OF OCCURRENCE BIRTHS	RATIO OF ABORTIONS/BIRTHS
<15	204	0.5	99	0.1	2.1
15	493	1.2	299	0.4	1.6
16	877	2.2	762	1.0	1.2
17	1,232	3.0	1,338	1.7	0.9
18	3,146	7.8	2,179	2.8	0.9
19	3,568	8.8	2,779	3.6	1.4
20-24	15,466	38.3	21,245	27.4	0.7
25-29	8,785	21.8	26,877	34.8	0.3
30-34	4,171	10.4	16,610	21.4	0.3
35-39	1,855	4.6	4,660	6.0	0.4
40-44	487	1.2	569	0.7	0.9
45+	35	0.1	22	0.1	1.6
UNKNOWN	15	0.1	2	--	--
TOTAL	40,394	100.0	77,441	100.0	0.5

TABLE F-2
NUMBER OF ABORTIONS OCCURRING IN MASSACHUSETTS BY TYPE OF FACILITY AND AGE OF WOMAN
1982

AGE		CLINICS	GROUP PRACTICE	PHYSICIAN OFFICE	HOSPITALS	TOTAL
<15	N	115	11	6	72	204
	%	56.4	5.4	2.9	35.3	100.0
15-19	N	6,662	965	141	1,548	9,316
	%	71.5	10.4	1.5	16.6	100.0
20-29	N	18,464	2,435	151	3,201	24,251
	%	76.1	10.1	0.6	13.2	100.0
30-39	N	4,272	509	71	1,234	6,086
	%	70.2	8.4	1.1	20.3	100.0
40+	N	301	45	4	172	522
	%	57.7	8.6	0.8	32.9	100.0
UNKNOWN	N	0	0	3	12	15
	%	0.0	0.0	20.0	80.0	100.0
TOTAL	N	29,814	3,965	376	6,239	40,394
	%	73.8	9.8	0.9	15.5	100.0

POPULATION

SECTION G

POPULATION

The population data in this section are presented for use in computing rates for small areas and for displaying changes over time by municipality, county, and health service area. They are based on the federal census for decennial years (1970 and 1980) and on the Commonwealth's census for intercensal years (1955, 1965, and 1975). Of the Massachusetts population, 52.4% is female and 93.4% is white.

It is worth noting that Massachusetts' method of enumeration differs from the federal census. Generally, the state's figures have excluded nonresident students and military families residing in the Commonwealth, which are included in the federal census.

FIGURE G-1

MASSACHUSETTS POPULATION

1900 TO 1980

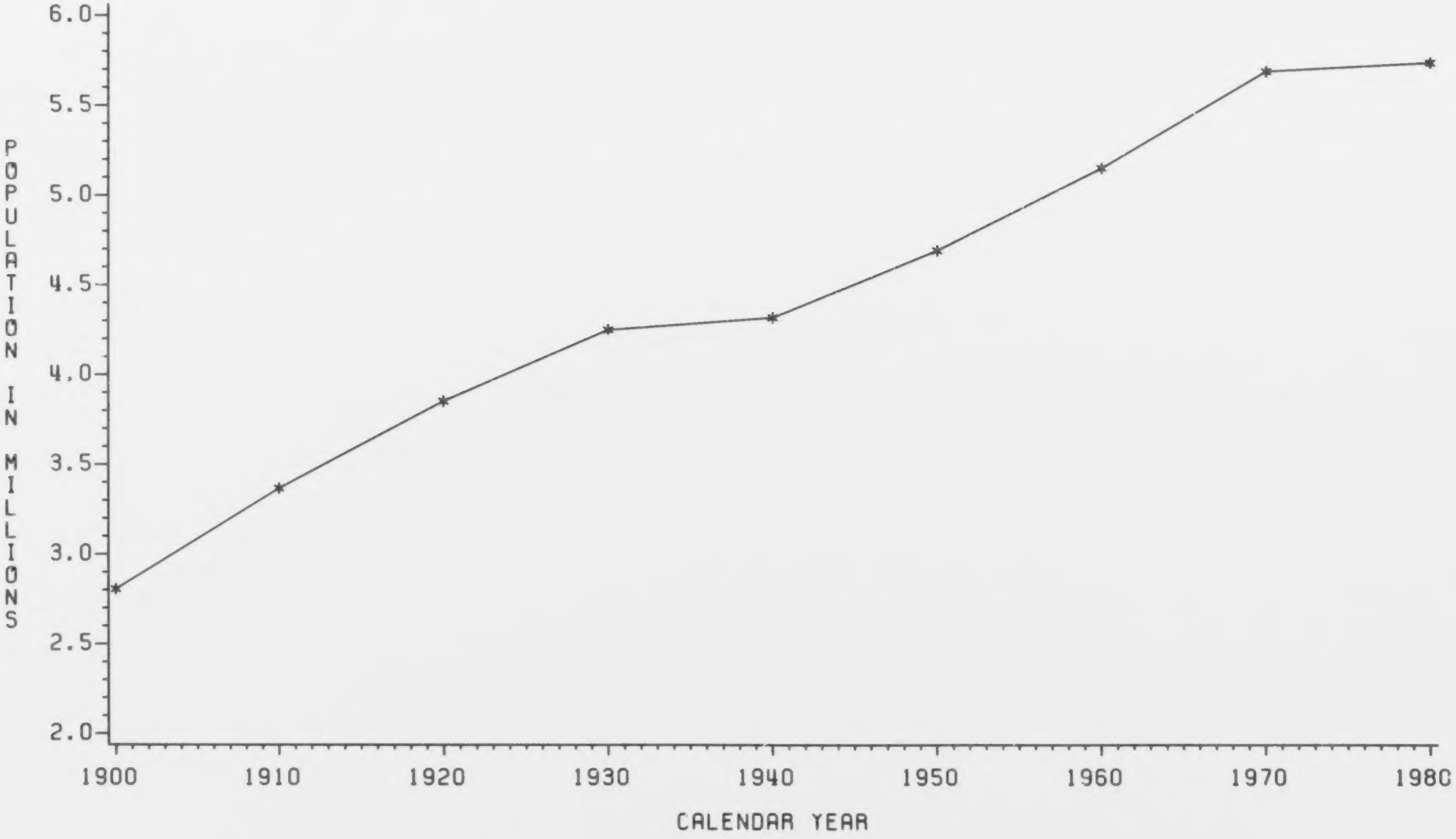


FIGURE G-2

1980 MASSACHUSETTS POPULATION BY AGE

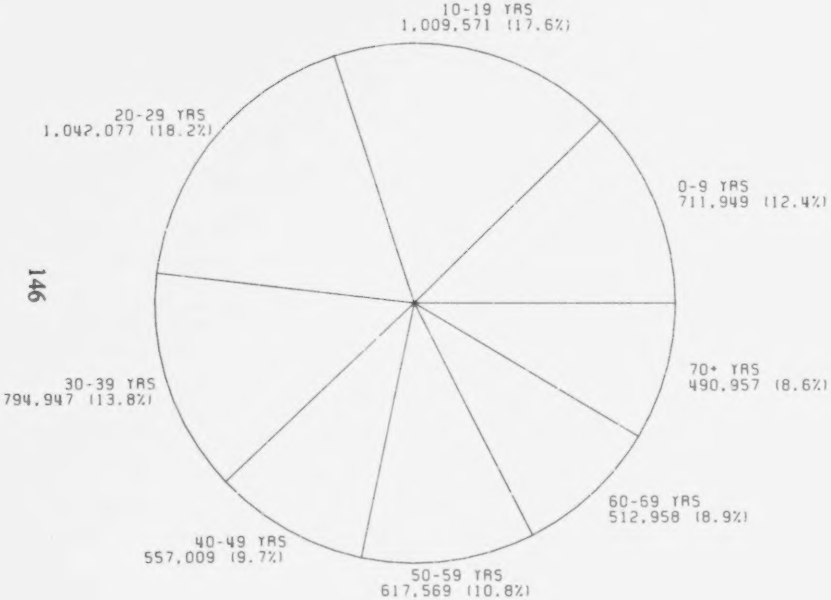


FIGURE G-3

1980 MASSACHUSETTS POPULATION BY RACE

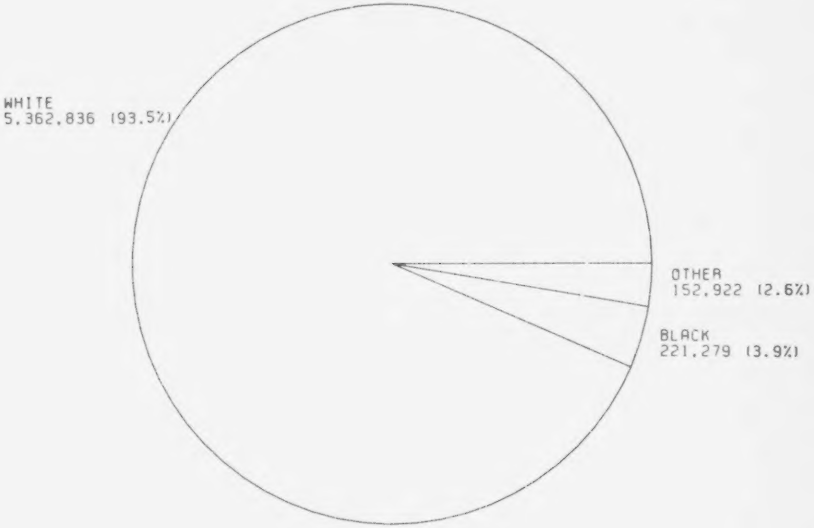


TABLE G-1
POPULATION BY RACE, AGE AND SEX
1980

AGE	SEX	TOTAL	WHITE	BLACK	OTHER & UNKNOWN
UNDER 1	MALE	36,771	32,822	2,076	1,873
	FEMALE	34,959	31,174	1,938	1,847
	TOTAL	71,730	63,996	4,014	3,720
1-4	MALE	136,258	122,083	7,454	6,721
	FEMALE	129,227	115,440	7,190	6,597
	TOTAL	265,485	237,523	14,644	13,318
5-9	MALE	191,602	173,505	9,866	8,231
	FEMALE	183,132	165,337	9,819	7,976
	TOTAL	374,734	338,842	19,685	16,207
10-14	MALE	235,669	216,445	11,636	7,588
	FEMALE	225,663	206,831	11,429	7,403
	TOTAL	461,332	423,276	23,065	14,991
15-19	MALE	274,859	253,767	12,934	8,158
	FEMALE	273,380	252,117	13,106	8,157
	TOTAL	548,239	505,884	26,040	16,315
20-24	MALE	270,713	250,616	11,558	8,539
	FEMALE	282,189	260,612	12,809	8,768
	TOTAL	552,902	511,228	24,367	17,307
25-29	MALE	239,341	221,554	9,952	7,835
	FEMALE	249,834	230,586	11,031	8,217
	TOTAL	489,175	452,140	20,983	16,052
30-34	MALE	217,649	202,785	8,306	6,558
	FEMALE	228,746	211,798	9,634	7,314
	TOTAL	446,395	414,583	17,940	13,872
35-39	MALE	169,502	158,362	6,577	4,563
	FEMALE	179,050	166,127	7,956	4,967
	TOTAL	348,552	324,489	14,533	9,530
40-44	MALE	134,925	126,332	5,013	3,580
	FEMALE	143,823	134,182	5,866	3,775
	TOTAL	278,748	260,514	10,879	7,355
45-49	MALE	134,444	127,300	4,329	2,815
	FEMALE	143,817	135,730	5-030	3,057
	TOTAL	278,261	263,030	9,359	5,872
50-54	MALE	146,211	139,828	4,057	2,326
	FEMALE	160,363	152,917	4,793	2,653
	TOTAL	306,574	292,745	8,850	4,979

TABLE G-1 (continued)
POPULATION BY RACE, AGE AND SEX
1980

AGE	SEX	TOTAL	WHITE	BLACK	OTHER & UNKNOWN
55-59	MALE	145,603	140,132	3,587	1,884
	FEMALE	165,392	159,005	4,304	2,083
	TOTAL	310,995	299,137	7,891	3,967
60-64	MALE	126,323	122,160	2,803	1,360
	FEMALE	151,061	145,859	3,510	1,692
	TOTAL	277,384	268,019	6,313	3,052
65-69	MALE	101,023	98,076	1,953	994
	FEMALE	134,551	130,398	2,810	1,343
	TOTAL	235,574	228,474	4,763	2,337
70-74	MALE	73,235	71,293	1,285	657
	FEMALE	113,806	110,942	1,892	972
	TOTAL	187,041	182,235	3,177	1,629
75-79	MALE	48,145	46,859	810	476
	FEMALE	89,683	87,573	1,441	669
	TOTAL	137,828	134,432	2,251	1,145
80-84	MALE	28,513	27,747	480	286
	FEMALE	63,667	62,351	899	417
	TOTAL	92,180	90,098	1,379	703
85 & OVER	MALE	20,107	19,485	374	248
	FEMALE	53,801	52,706	772	323
	TOTAL	73,908	72,191	1,146	571
TOTAL	MALE	2,730,893	2,551,151	105,050	74,692
	FEMALE	3,006,144	2,811,685	116,229	78,230
	TOTAL	5,737,037	5,362,836	221,279	152,922
		(100.0%)	(93.4%)	(3.9%)	(2.7%)

TABLE G-2
MASSACHUSETTS POPULATION BY COUNTIES
SIX CENSUS YEARS

	STATE 1955	FEDERAL 1960	STATE 1965	FEDERAL 1970	STATE 1975	FEDERAL 1980
STATE	4,837,645	5,148,578	5,295,281	5,689,170	5,789,478	5,737,037
COUNTIES						
BARNSTABLE	52,728	70,286	73,557	96,656	126,481	147,925
BERKSHIRE	138,119	142,135	145,597	149,402	148,069	145,110
BRISTOL	389,540	398,488	415,242	444,301	461,852	474,641
DUKES	6,069	5,829	5,948	6,117	7,951	8,942
ESSEX	543,526	568,831	608,996	637,887	631,627	633,632
FRANKLIN	55,573	54,864	57,687	59,210	63,420	64,317
HAMPDEN	389,237	429,353	435,281	459,050	461,659	443,018
HAMPSHIRE	87,142	103,229	100,065	123,981	122,729	138,813
MIDDLESEX	1,115,252	1,238,742	1,280,235	1,397,268	1,397,524	1,367,034
NANTUCKET	3,642	3,559	3,714	3,774	5,559	5,087
NORFOLK	448,144	510,256	560,137	605,051	620,346	606,587
PLYMOUTH	214,456	248,449	292,697	333,314	377,500	405,437
SUFFOLK	819,797	791,329	706,216	735,190	724,703	650,142
WORCESTER	574,420	583,228	609,909	637,969	640,058	646,352

TABLE G-3
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS	CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
ABINGTON	12334	13517	BOXFORD	4032	5374
ACTON	14770	17544	BOYLSTON	2774	3470
ACUSHNET	7767	8704	BRAINTREE	35050	36337
ADAMS	11772	10381	BREWSTER	1790	5226
AGAWAM	21717	26271	BRIDGEWATER	11829	17202
ALFORD	302	394	BRIMFIELD	1907	2318
AMESBURY	11388	13971	BROCKTON	89040	95172
AMHERST	26331	33229	BROOKFIELD	2063	2397
ANDOVER	23695	26370	BROOKLINE	58886	55062
ARLINGTON	53524	48219	BUCKLAND	1892	1864
ASHBURNHAM	3484	4075	BURLINGTON	21980	23486
ASHBY	2274	2311	CAMBRIDGE	100361	95322
ASHFIELD	1274	1458	CANTON	17100	18182
ASHLAND	8882	9165	CARLISLE	2871	3306
ATHOL	11185	10634	CARVER	2420	6988
ATTLEBORO	32907	34196	CHARLEMONT	897	1149
AUBURN	15347	14845	CHARLTON	4654	6719
AVON	5295	5026	CHATHAM	4554	6071
AYER	8325	6993	CHELMSFORD	31432	31174
BARNSTABLE	19842	30898	CHELSEA	30625	25431
BARRE	3825	4102	CHESHIRE	3006	3124
BECKET	929	1339	CHESTER	1025	1123
BEDFORD	13513	13067	CHESTERFIELD	704	1000
BELCHERTOWN	5936	8339	CHICOPEE	66676	55112
BELLINGHAM	13967	14300	CHILMARK	340	489
BELMONT	28285	26100	CLARKSBURG	1987	1871
BERKLEY	2027	2731	CLINTON	13383	12771
BERLIN	2099	2215	COHASSET	6954	7174
BERNARDSTON	1659	1750	COLRAIN	1420	1552
BEVERLY	38348	37655	CONCORD	16148	16293
BILLERICA	31648	36727	CONWAY	998	1213
BLACKSTONE	6566	6570	CUMMINGTON	562	657
BLANDFORD	863	1038	DALTON	7505	6797
BOLTON	1905	2530	DANVERS	26151	24100
BOSTON	641071	562994	DARTMOUTH	18800	23966
BOURNE	12636	13874	DEDHAM	26938	25298
BOXBOROUGH	1451	3126	DEERFIELD	3850	4517

TABLE G-3 (CONTINUED)
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
DENNIS	6454	12360
DIGHTON	4667	5352
DOUGLAS	2947	3730
DOVER	4529	4703
DRACUT	18214	21249
DUDLEY	8087	8717
DUNSTABLE	1292	1671
DUXBURY	7636	11807
EAST BRIDGEWATER	8347	9945
EAST BROOKFIELD	1800	1955
EAST LONGMEADOW	13029	12905
EASTHAM	2043	3472
EASTHAMPTON	13012	15580
EASTON	12157	16623
EDGARTOWN	1481	2204
EGREMONT	1138	1311
ERVING	1260	1326
ESSEX	2670	2998
EVERETT	42485	37195
FAIRHAVEN	16332	15759
FALL RIVER	96898	92574
FALMOUTH	15942	23640
FITCHBURG	43343	39580
FLORIDA	672	730
FOXBOROUGH	14218	14148
FRAMINGHAM	64048	65113
FRANKLIN	17830	18217
FREETOWN	4270	7058
GARDNER	19748	17900
GAY HEAD	118	220
GEORGETOWN	5290	5687
GILL	1100	1259
GLOUCESTER	27941	27768
GOSHEN	483	651
GOSNOLD	83	63
GRAFTON	11659	11238
GRANBY	5473	5380
GRANVILLE	1008	1204
GREAT BARRINGTON	7537	7405
GREENFIELD	18116	18436
GROTON	5109	6154
GROVELAND	5382	5040
HADLEY	3750	4125
HALIFAX	3537	5513
HAMILTON	6373	6960
HAMPDEN	4572	4745
HANCOCK	675	643
HANOVER	10107	11358
HANSON	7148	8617
HARDWICK	2379	2272
HARVARD	12494	12170
HARWICH	5892	8971
HATFIELD	2825	3045
HAVERHILL	46120	46865
HAWLEY	224	280
HEATH	383	482
HINGHAM	18845	20339
HINSDALE	1588	1707
HOLBROOK	11775	11140
HOLDEN	12564	13336
HOLLAND	931	1589
HOLLISTON	12069	12622
HOLYOKE	50112	44678
HOPEDALE	4292	3905
HOPKINTON	5981	7114
HUBBARDSTON	1437	1797
HUDSON	16084	16408
HULL	9961	9714
HUNTINGTON	1593	1804
IPSWICH	10750	11158
KINGSTON	5999	7362
LAKEVILLE	4376	5931
LANCASTER	6095	6334
LANESBOROUGH	2972	3131

TABLE G-3 (CONTINUED)
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS	CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
LAWRENCE	66915	63175	MILLBURY	11987	11808
LEE	6426	6247	MILLIS	5686	6908
LEICESTER	9140	9446	MILLVILLE	1764	1693
LENOX	5804	6523	MILTON	27190	25860
LEOMINSTER	32939	34508	MONROE	216	179
LEVERETT	1005	1471	MONSON	7355	7315
LEXINGTON	31886	29479	MONTAGUE	8451	8011
LEYDEN	376	498	MONTEREY	600	818
LINCOLN	7567	7098	MONTGOMERY	446	637
LITTLETON	6380	6970	MOUNT WASHINGTON	52	93
LONGMEADOW	15630	16301	NAHANT	4119	3947
LOWELL	94239	92418	NANTUCKET	3774	5087
LUDLOW	17580	18150	NATICK	31057	29461
LUNENBURG	7419	8405	NEEDHAM	29748	27901
LYNN	90294	78471	NEW ASHFORD	183	159
LYNNFIELD	10826	11267	NEW BEDFORD	101777	98478
MALDEN	56127	53386	NEW BRAINTREE	631	671
MANCHESTER	5151	5424	NEW MARLBOROUGH	1031	1160
MANSFIELD	9939	13453	NEW SALEM	474	688
MARBLEHEAD	21295	20126	NEWBURY	3804	4529
MARION	3466	3932	NEWBURYPORT	15807	15900
MARLBOROUGH	27936	30617	NEWTON	91066	83622
MARSHFIELD	15223	20916	NORFOLK	4656	6363
MASHPEE	1288	3700	NORTH ADAMS	19195	18063
MATTAPOISETT	4500	5597	NORTH ANDOVER	16284	20129
MAYNARD	9710	9590	NORTH ATTLEBORO	18665	21095
MEDFIELD	9821	10220	NORTH BROOKFIELD	3967	4150
MEDFORD	64397	58076	NORTH READING	11264	11455
MEDWAY	7938	8447	NORTHAMPTON	29664	29286
MELROSE	33180	30055	NORTHBOROUGH	9218	10568
MENDON	2524	3108	NORTHBRIDGE	11795	12246
MERRIMAC	4245	4451	NORTHFIELD	2631	2386
METHUEN	35456	36701	NORTON	9487	12690
MIDDLEBOROUGH	13607	16404	NORWELL	7796	9182
MIDDLEFIELD	288	385	NORWOOD	30815	29711
MIDDLETON	4044	4135	OAK BLUFFS	1385	1984
MILFORD	19352	23390	OAKHAM	730	994

TABLE G-3 (CONTINUED)
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
ORANGE	6104	6844
ORLEANS	3055	5306
OTIS	820	963
OXFORD	10345	11680
PALMER	11680	11389
PAXTON	3731	3762
PEABODY	48080	45976
PELHAM	937	1112
PEMBROKE	11193	13487
PEPPERELL	5887	8061
PERU	256	633
PETERSHAM	1014	1024
PHILLIPSTON	872	953
PITTSFIELD	57020	51974
PLAINFIELD	287	425
PLAINVILLE	4953	5857
PLYMOUTH	18606	35913
PLYMPTON	1224	1974
PRINCETON	1681	2425
PROVINCETOWN	2911	3536
QUINCY	87966	84743
RANDOLPH	27035	28218
RAYNHAM	6705	9085
READING	22539	22678
REHOBOTH	6512	7570
REVERE	43159	42423
RICHMOND	1461	1659
ROCHESTER	1770	3205
ROCKLAND	15674	15695
ROCKPORT	5636	6345
ROWE	277	336
ROWLEY	3040	3867
ROYALSTON	809	955
RUSSELL	1382	1570
RUTLAND	3198	4334
SALEM	40556	38220
SALISBURY	4179	5973

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
SANDISFIELD	547	720
SANDWICH	5239	8727
SAUGUS	25110	24746
SAVOY	322	644
SCITUATE	16973	17317
SEEKONK	11116	12269
SHARON	12367	13601
SHEFFIELD	2374	2743
SHELBURNE	1836	2002
SHERBORN	3309	4049
SHIRLEY	4909	5124
SHREWSBURY	19196	22674
SHUTESBURY	489	1049
SOMERSET	18088	18813
SOMERVILLE	88779	77372
SOUTH HADLEY	17033	16399
SOUTHAMPTON	3069	4137
SOUTHBOROUGH	5798	6193
SOUTHBRIDGE	17057	16665
SOUTHWICK	6330	7382
SPENCER	8779	10774
SPRINGFIELD	163905	152319
STERLING	4247	5440
STOCKBRIDGE	2312	2328
STONEHAM	20725	21424
STOUGHTON	23459	26710
STOW	3984	5144
STURBRIDGE	4878	5976
SUDBURY	13506	14027
SUNDERLAND	2236	2929
SUTTON	4590	5855
SWAMPSCOTT	13578	13837
SWANSEA	12640	15461
TAUNTON	43756	45001
TEMPLETON	5863	6070
TEWKSBURY	22755	24635
TISBURY	2257	2972

TABLE G-3 (CONTINUED)
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
TOLLAND	172	235
TOPSFIELD	5225	5709
TOWNSEND	4281	7201
TRURO	1234	1486
TYNGSBOROUGH	4204	5683
TYRINGHAM	234	344
UPTON	3484	3886
UXBRIDGE	8253	8374
WAKEFIELD	25402	24895
WALES	852	1177
WALPOLE	18149	18859
WALTHAM	61582	58200
WARE	8187	8953
WAREHAM	11492	18457
WARREN	3633	3777
WARWICK	492	603
WASHINGTON	406	587
WATERTOWN	39307	34384
WAYLAND	13461	12170
WEBSTER	14917	14480
WELLESLEY	28051	27209
WELLFLEET	1743	2209
WENDELL	405	694
WENHAM	3849	3897
WEST BOYLSTON	6369	6204
WEST BRIDGEWATER	7152	6359
WEST BROOKFIELD	2653	3026
WEST NEWBURY	2254	2861
WEST SPRINGFIELD	28461	27042
WEST STOCKBRIDGE	1354	1280
WEST TISBURY	453	1010
WESTBOROUGH	12594	13619
WESTFIELD	31433	36465
WESTFORD	10368	13434
WESTHAMPTON	793	1137
WESTMINSTER	4273	5139
WESTON	10870	11169
WESTPORT	9791	13763
WESTWOOD	12750	13212
WEYMOUTH	54610	55601
WHATELY	1145	1341
WHITMAN	13059	13534
WILBRAHAM	11984	12053
WILLIAMSBURG	2342	2237
WILLIAMSTOWN	8454	8741
WILMINGTON	17102	17471
WINCHENDON	6635	7019
WINCHESTER	22269	20701
WINDSOR	468	598
WINTHROP	20335	19294
WOBURN	37406	36626
WORCESTER	176572	161799
WORTHINGTON	712	932
WRENTHAM	7315	7580
YARMOUTH	12033	18449
STATEWIDE TOTALS	5,689,170	5,737,037

TABLE G-4
MASSACHUSETTS POPULATION BY HEALTH SERVICE AREA
1970-1980

HSA SUBAREAS	1970 U.S. CENSUS	1980 U.S. CENSUS
11	149,906	145,674
12	158,345	175,257
13	497,215	482,586
HSA I TOTALS	805,466	803,517
21	208,593	216,595
22	245,693	235,536
23	211,838	228,390
HSA II TOTALS	666,124	680,521
31	214,152	226,991
32	142,350	146,375
33	105,541	114,518
HSA III TOTALS	462,043	487,884
41	794,076	705,204
42	477,986	456,914
43	489,096	478,314
44	159,815	164,082
45	304,155	305,625
HSA IV TOTALS	2,225,128	2,110,139
51	75,951	87,291
52	182,672	204,088
53	98,767	139,630
54	92,766	104,343
55	141,687	147,669
56	154,495	159,704
57	117,956	180,348
HSA V TOTALS*	864,294	1,023,073
61	105,943	107,914
62	140,126	132,557
63	143,927	132,268
64	113,110	110,507
65	163,009	148,657
HSA VI TOTALS	666,115	631,903
STATEWIDE TOTALS	5,689,170	5,737,037

*INCLUDES ACTIVE AND INACTIVE SUBAREA COUNCILS.

APPENDICES

NOTE: Confidential section is detached from record and is not maintained in public file.

175M FORM R-3 11-83 176233

The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS

STANDARD CERTIFICATE OF LIVE BIRTH

(City or Town making this return)

REGISTERED NUMBER

CHILD

1 PLACE OF BIRTH a .... (County)

b .... (City or Town)

c ________ NAME OF HOSPITAL — IF NOT IN HOSPITAL, NUMBER & STREET

2 NAME ________ FIRST MIDDLE LAST

3 SEX	4 THIS BIRTH SINGLE, TWIN ETC. SPECIFY	4a IF NOT SINGLE, BORN FIRST, SECOND, ETC. SPECIFY ORDER OF BIRTH	5 DATE OF BIRTH MONTH DAY YEAR	5a HOUR M.

FATHER

6 FULL NAME .... FIRST MIDDLE LAST

7 BIRTHPLACE .... CITY OR TOWN STATE OR COUNTRY

8 AGE AT TIME OF THIS BIRTH

9a FATHER'S OCCUPATION ....

9b MOTHER'S OCCUPATION ....

MOTHER

10 FULL NAME .... FIRST MIDDLE MAIDEN LAST

11 BIRTHPLACE .... CITY OR TOWN STATE OR COUNTRY

12 AGE AT TIME OF THIS BIRTH

13 RESIDENCE .... NO. STREET CITY OR TOWN COUNTY STATE ZIP CODE
(DO NOT USE MAILING ADDRESS)

CERTIFICATIONS

14 CERTIFIER

☐ M.D./D.O. - ATTENDANT AT BIRTH ☐ POST NATAL ONLY
☐ ATTENDANT - IF OTHER THAN M.D./D.O. ☐ ATTENDANT - C.N.M.

.... (Signature, Physician or other attendant)

.... (Print or type name CH. 46 SEC. 3 & 9)

.... (Address)

15 INFORMANT

I certify that the information appearing above is true and correct

.... (Signature)

.... (Relationship) (Date)

.... (Present mailing address if different from Item # 13)

16 REC'D IN CLERK'S OFFICE

17 SUPPLEMENT FILED

18 ________ CLERK OR REGISTRAR

NOT A LEGAL RECORD

CONFIDENTIAL INFORMATION — CHAPTER III SECTION 24B AS AMENDED

PHYSICIAN TO COMPLETE ITEMS IN RED WITHIN 24 HOURS (CH. 46 SEC. 3)

HOSPITAL CODE NO.

19 RACE - FATHER WHITE, BLACK, AMERICAN INDIAN, ETC. (SPECIFY)	20 EDUCATION - FATHER (Specify only highest grade completed) Elementary or Secondary (0-12) | College (1 - 4 or 5+)	PREGNANCY HISTORY (Complete each section)
22 RACE - MOTHER WHITE, BLACK, AMERICAN INDIAN, ETC. (SPECIFY)	23 EDUCATION - MOTHER (Specify only highest grade completed) Elementary or Secondary (0-12) | College (1 - 4 or 5+)	

PREGNANCY HISTORY (Complete each section)

LIVE BIRTHS (Do not include this child)		OTHER TERMINATIONS (Spontaneous and Induced)	
NOW LIVING	NOW DEAD	BEFORE 20 WEEKS	AFTER 20 WEEKS
21a Number ____	21b Number ____	21d Number ____	21e Number ____
None ☐	None ☐	None ☐	None ☐
21c Date of Last Live Birth (Month, Year)		21f Date of Last Other Termination (as indicated in d or e above)	

24 DATE LAST NORMAL MENSES BEGAN MONTH DAY YEAR	25 MONTH OF PREGNANCY PRENATAL CARE BEGAN (FIRST, SECOND, THIRD, ETC., SPECIFY)	26 PRENATAL VISITS TOTAL NUMBER (IF NONE, SO STATE)

27 COMPLICATIONS RELATED TO PREGNANCY (Describe or write "None")

28 CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or write "none")

29 COMPLICATION OF LABOR AND/OR DELIVERY
A. (Describe or write "None")
B. Caesarean (Check One) ☐No ☐Primary ☐Repeat

30 CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD (Describe or write "None")

31 BIRTH WEIGHT lbs. ozs. or grams	32 APGAR SCORE a. 1 min. b. 5 min.	33 IS MOTHER MARRIED? (Specify yes or no)	34 PATIENT CARE ☐ PRIV. ☐ OTHER ☐ M.I.C.	35 AT TIME OF THIS REPORT ☐ CHILD LIVING ☐ DEAD

Detach and Return to Department of Public Health — Registry of Vital Records and Statistics, 150 Tremont Street; Room B-3, Boston, MA 02111

[INSTRUCTIONS ON REVERSE SIDE]
FOR USE BY
PHYSICIANS AND
MEDICAL EXAMINERS

The Commonwealth of Massachusetts

STANDARD CERTIFICATE OF DEATH
REGISTRY OF VITAL RECORDS AND STATISTICS

REGISTERED NUMBER

STATE USE ONLY

STATE USE ONLY

1.

72 PLACE 74

75 HOSPITAL 78

2.

9 RACE

19 NATIVITY 20

32 RESIDENCE 34

35 OUT OF STATE 37

38 CENSUS 41

42 AUTOPSY

43 MED. EXAM.

DECEDENT

DECEDENT - NAME FIRST MIDDLE LAST 1				SEX 2	DATE OF DEATH *(Mo. Day Yr.)* 3	
PLACE OF DEATH (CITY OR TOWN) 4a	COUNTY OF DEATH 4b	HOSPITAL OR OTHER INSTITUTION - Name *(If not in either, give street and number)* 4c				IF IN HOSPITAL D.O.A. (Yes or No) 4d
RACE (e.g. White, Black, American Indian, etc.) *(Specify)* 5	AGE - Last Birthday *(Yrs.)* 6a	UNDER 1 YEAR MOS 6b DAYS	UNDER 1 DAY HOURS 6c MINS	DATE OF BIRTH *(Mo. Day Yr.)* 7	STATE OF BIRTH *(If not in U.S.A. name country)* 8	
MARRIED, NEVER MARRIED, WIDOWED OR DIVORCED 9	SPOUSE *(If wife, give maiden name)* 10			USUAL OCCUPATION (Prior - If Retired) 11a	KIND OF BUSINESS OR INDUSTRY 11b	
SOCIAL SECURITY NUMBER 12	IF U.S. WAR VETERAN SPECIFY WAR 13	RESIDENCE - STREET AND NUMBER, CITY OR TOWN, COUNTY, STATE, ZIP CODE 14				
FATHER - FULL NAME 15a	STATE OF BIRTH *(If not in U.S.A. name country)* 15b	MOTHER - NAME (GIVEN) (MAIDEN) 16a			STATE OF BIRTH *(If not in U.S.A. name country)* 16b	

INFORMANT

INFORMANT - NAME AND ADDRESS 17a	RELATIONSHIP 17b

DISPOSITION

TYPE OF DISPOSITION *(Specify Burial, Cremation, Other)* 18a	DATE OF DISPOSITION 18b	PLACE OF DISPOSITION AND LOCATION CITY OR TOWN STATE 18c
FUNERAL SERVICE LICENSEE 19a	NAME OF FACILITY 19b	ADDRESS OF FACILITY 19c

CAUSE OF DEATH

20 IMMEDIATE CAUSE *ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).* **(PRINT OR TYPE LEGIBLY)** — Interval between onset and death

PART I

(a) ____________________ Interval between onset and death

DUE TO, OR AS A CONSEQUENCE OF

(b) ____________________ Interval between onset and death

DUE TO, OR AS A CONSEQUENCE OF

(c) ____________________

PART II OTHER SIGNIFICANT CONDITIONS - Conditions contributing to death but not related to cause given in Part I (a)	AUTOPSY *(Yes or No)* 21	WAS CASE REFERRED TO MED. EXAM. *(Yes or No)* 22

ACC., SUICIDE, HOM., UNDET. OR PENDING INVEST. *(Specify)* 23	DATE OF INJURY *(Mo. Day Yr.)* 24a	HOUR OF INJURY 24b M	DESCRIBE HOW INJURY OCCURRED 24c
INJURY AT WORK *(Specify Yes or No)* 24d	PLACE OF INJURY - At home, farm, street, factory, office building, etc. *(Specify)* 24e		LOCATION STREET CITY OR TOWN STATE 24f

CERTIFIER

To be Completed by CERTIFYING PHYSICIAN Only

25a To the best of my knowledge, death occurred at the time, date and place and due to the cause(s) stated.

(Signature and Title) ▶

DATE SIGNED *(Mo. Day Yr.)* 25b	HOUR OF DEATH 25c M

NAME OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER *(Type or Print)* 25d

To be Completed by MEDICAL EXAMINER Only

26a On the basis of examination and/or investigation, in my opinion death occurred at the time, date and place and due to the cause(s) stated.

Signature and Title) ▶

DATE SIGNED *(Mo. Day Yr.)* 26b	HOUR OF DEATH 26c M
PRONOUNCED DEAD *(Mo. Day Yr.)* 26d ON	PRONOUNCED DEAD *(Hour)* 26e AT M

NAME AND ADDRESS OF CERTIFYING PHYSICIAN OR MEDICAL EXAMINER *(Type or Print)* 27

28 BURIAL PERMIT ISSUED ON ____________ (DATE)

SIGNATURE-BD. HEALTH AGT.

29 RECEIVED IN THE CITY OR TOWN OF ____________

CLERK'S SIGNATURE

(DATE RECEIVED)

BLACK INK ONLY

R-301R

The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS

REPORT OF FETAL DEATH

STATE FILE NUMBER

HOSPITAL—NAME *(If not in hospital, give street and number)* 1a.	CITY, TOWN OR LOCATION OF DELIVERY 1b.		COUNTY OF DELIVERY 1c.
DATE OF DELIVERY *(Month, Day, Year)* 2a.	HOUR OF DELIVERY 2b. M	SEX OF FETUS 3.	WEIGHT OF FETUS 4.

MOTHER

MOTHER — MAIDEN NAME FIRST, MIDDLE LAST 5a.			AGE *(At time of this delivery)* 5b.		RESIDENCE—STATE 6a.	COUNTY 6b.
CITY, TOWN OR LOCATION 6c.	STREET AND NUMBER 6d.				PREGNANCY HISTORY *(Complete each section)*	
					LIVE BIRTHS	OTHER TERMINATIONS *(Spontaneous and Induced)*
RACE—(e.g. White, Black, American Indian, etc.) *(Specify)* 7.	EDUCATION *(Specify only highest grade completed)* (Elementary or Secondary (0-12) 8.	College (1-4 or 5+)	DATE LAST NORMAL MENSES BEGAN *(Month, Day, Year)* 9.	IS MOTHER MARRIED? *(Specify yes or no)* 10.	11a. Now living Number ____ None ☐ 11b. Now dead Number ____ None ☐	11d. Before 20 weeks Number ____ None ☐ 11e. After 20 weeks Number ____ *(Do not include this fetus)* None ☐
MONTH OF PREGNANCY PRENATAL CARE BEGAN First, second, etc. *(Specify)* 12a.	PRENATAL VISITS—Total number *(If none, so state)* 12b.	THIS BIRTH—Single, twin, triplet, etc. *(Specify)* 13a.	IF NOT SINGLE BIRTH—Born first, second, third, etc. *(Specify)* 13b.		DATE OF LAST LIVE BIRTH *(Month, Year)* 11c.	DATE OF LAST OTHER TERMINATION *(as indicated in d or e above)* *(Month, Year)* 11f.

FATHER

FATHER—NAME FIRST MIDDLE LAST 14a.	AGE *(At time of this delivery)* 14b.	RACE—(e.g. White, Black, American Indian, etc.) *(Specify)* 14c.	EDUCATION *(Specify only highest grade completed)* Elementary or Secondary (0-12) 14d.	College (1-4 or 5+)

CAUSE OF FETAL DEATH

15. PART I Fetal or maternal condition directly causing fetal death	IMMEDIATE CAUSE *[ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c)]* (a)	Specify Fetal or Maternal
Fetal and/or maternal conditions, if any giving rise to the immediate cause (a), stating the underlying cause last	DUE TO, OR AS A CONSEQUENCE OF (b)	Specify Fetal or Maternal
	DUE TO, OR AS A CONSEQUENCE OF (c)	Specify Fetal or Maternal

PART II OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER Conditions contributing to fetal death but not related to cause given in (a)	FETUS DIED BEFORE LABOR DURING LABOR OR DELIVERY UNKNOWN *(Specify)* 16.	PHYSICIAN'S ESTIMATE OF GESTATION 17. Weeks	AUTOPSY *(Specify yes or no)* 18.

COMPLICATIONS OF PREGNANCY *(Describe or write "none")* 19.	COMPLICATIONS OF LABOR AND/OR DELIVERY *(Describe or write "none")* 20.
CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY *(Describe or write "none")* 21.	CONGENITAL MALFORMATIONS OR ANOMALIES OF FETUS *(Describe or write "none")* 22.
NAME OF PHYSICIAN OR ATTENDANT *(Type or print)* 23.	NAME OF PERSON COMPLETING REPORT *(Type or print)* TITLE 24.

DISPOSITION

BURIAL, CREMATION, OR BY HOSPITAL 25.	CEMETERY OR CREMATORY—NAME OR WRITE "NONE" 26.	LOCATION CITY OR TOWN STATE 26a.
NAME OF FUNERAL DIRECTOR (IF ANY) 27.	NAME OF FACILITY (Hospital or Funeral Home) 28.	ADDRESS OF FACILITY 28a.

CERTIFIER

I HEREBY CERTIFY that this delivery occurred on the date stated and product of conception was not a live birth.

Signature of Attending Physician or Medical Examiner ________________________

TITLE

DEFINITION: "Fetal death" per chapter 111 section 202 of the M.G.L. means death prior to the complete expulsion or extraction from its mother of a fetus, irrespective of the duration of pregnancy, as indicated by the fact that after such expulsion or extraction the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. A fetal death does **NOT** include an induced abortion as defined in section 12K of chapter 112 of M.G.L.. Spontaneous abortions are to be included.

TO BE REPORTED: Only fetal deaths of twenty weeks or more gestation or of a weight of 350 grams or more are to be reported.

INSTRUCTIONS: Return completed reported within 10 days to the Registry of Vital Records and Statistics, Rm. 107 McCormack Bldg., 1 Ashburton Pl., Boston, Ma. 02108

FORM R – 304

FORM R-101

NOT VALID AFTER ______________

THIS IS A PERMANENT RECORD. Use only durable black ink or approved black typewriter ribbon. Every item of information should be carefully supplied. ALTERATIONS AND ERASURES IN THIS CERTIFICATE ARE FORBIDDEN, PENALTY FOR VIOLATION, ONE HUNDRED DOLLARS

SEE CHAP. 207, §§ 28, 28A, 48, 49, 54, 57 and CHAP. 46, § 18.

THIS CERTIFICATE IS NOT TO BE USED OUTSIDE OF MASSACHUSETTS.

The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS

CERTIFICATE OF MARRIAGE

This certificate must be delivered to the person before whom the marriage is to be contracted before he proceeds to solemnize the same

(State number file)

(City or town making return)

Registered No.

Intention No.

1 Place of Marriage

City or Town
(Do not enter name of village or section of city or town)

2 Date of Marriage
(Month) (Day) (Year)

3 FULL NAME GROOM	12 FULL NAME BRIDE
3A SURNAME AFTER MARRIAGE	12A SURNAME AFTER MARRIAGE
4 AGE	13 AGE
5 OCCUPATION	14 OCCUPATION
6 RESIDENCE NO. STREET CITY OR TOWN STATE	15 RESIDENCE NO. STREET CITY OR TOWN STATE
7 NUMBER OF MARRIAGE (1st, 2nd, 3rd, etc.)	16 NUMBER OF MARRIAGE (1st, 2nd, 3rd, etc.)
8 WIDOWED OR DIVORCED	17 WIDOWED OR DIVORCED
9 BIRTHPLACE (City or town) (State or country)	18 BIRTHPLACE (City or town) (State or country)
10 NAME OF FATHER	19 NAME OF FATHER
11 MAIDEN NAME OF MOTHER	20 MAIDEN NAME OF MOTHER

21 THE INTENTION OF MARRIAGE by the above-named persons was duly entered by me in the records of the ______ (City or Town)
of ______ (Name of city or town) according to law, this ______ day of ______ 19__
Certificate issued ______ (Month) (Day) (Year) by ______ (City or Town Clerk or Registrar)

22 I HEREBY CERTIFY that I joined the above-named persons in marriage at No. ______ St.,
(If marriage was solemnized in a church, give its NAME instead of street and number)
______ (Name of city or town) on ______ (Month) (Day) (Year)

Signature ______ Official station ______
(Minister of the Gospel, Clergyman, Priest, Rabbi, or Justice of the Peace)

______ (Print or type name)

Residence No. ______ St., City or Town of ______

23 Certificate received by city or town clerk ______ (Month) (Day) (Year) CLERK OR REGISTRAR

R-408

The Commonwealth of Massachusetts
DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS

CERTIFICATE OF ABSOLUTE DIVORCE
(Chap. 208, Sec. 46 G.L.)
R-408

HUSBAND

HUSBAND NAME FIRST	MIDDLE	LAST	
USUAL RESIDENCE STREET ADDRESS 2a		CITY, TOWN OR LOCATION 2b	
COUNTY 2c	STATE 2d	DATE OF BIRTH (Mo. Day Yr.) 3	NUMBER OF THIS MARRIAGE (1st, 2nd, Specify) 4

WIFE

WIFE NAME FIRST	MIDDLE	LAST 5a	MAIDEN NAME 5b
USUAL RESIDENCE STREET ADDRESS 6a		CITY, TOWN OR LOCATION 6b	
COUNTY 6c	STATE 6d	DATE OF BIRTH (Mo. Day Yr.) 7	NUMBER OF THIS MARRIAGE (1st, 2nd, Specify) 8

DATE OF THIS MARRIAGE (Mo. Day Yr.) 9	NUMBER OF CHILDREN BORN ALIVE OF THIS MARRIAGE 10a	NUMBER OF CHILDREN UNDER AGE 18 IN THIS FAMILY 10b

JUDGMENT

FOR COURT USE ONLY

COUNTY OF JUDGMENT 11		TITLE OF COURT 11a
DATE OF JUDGMENT NISI (Mo. Day Yr.) 12	TYPE OF JUDGMENT: DIVORCE OR ANNULMENT (Specify) 13 DIVORCE	DATE OF JUDGMENT ABSOLUTE (Mo. Day Yr.) 14
DOCKET NUMBER 15	NAME OF PLAINTIFF 16	CAUSE FOR WHICH GRANTED 17
SIGNATURE OF CERTIFYING OFFICIAL 18a		TITLE OF OFFICIAL 18b

APPENDIX II

DEFINITIONS

The following definitions conform wherever possible to those of the National Center for Health Statistics, United States Department of Health and Human Services.

BIRTHS

LIVE BIRTH	A live birth is the complete expulsion or extraction from its mother of a product of conception, regardless of the duration of pregnancy, which, after separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.
BIRTHWEIGHT	Weight of an infant or fetus at the time of delivery. It may be recorded in either pounds/ounces or grams; if it is the former, it is converted to grams for use in this report.
MATURE BIRTHWEIGHT	Weight at delivery which equals or exceeds 2500 grams.
IMMATURE BIRTHWEIGHT	Weight at delivery of less than 2500 grams. Immaturity rather than prematurity is used. Prematurity refers to gestational age and is difficult to ascertain reliably.

DEATHS

INFANT DEATH	Death of a person whose age is less than one year.
NEONATAL DEATH	Death of a person whose age is less than 28 days.
FETAL DEATH	A fetal death is death prior to the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy; the death is indicated by the fact that after such separation the fetus does not breathe or show any other evidence of life, such as the beating of the heart, pulsation of the umbilical cord, or definite movement of the voluntary muscles. Massachusetts law requires that fetal deaths of 20 or more weeks gestation or of a weight of at least 350 grams be reported; therefore, the fetal deaths referred to in this report are of that gestational age.
CAUSE OF DEATH	The underlying condition which gives rise to a series of events leading to death. The code used for iden-

tifying cause of death is the *9th Edition of the International Classification of Disease*. The underlying cause of death is generated by a computer software program developed by the National Center for Health Statistics from coding all causes on death certificates.

DEMOGRAPHIC

HEALTH SERVICE AREA	In accordance with the National Health Planning and Resources Development Act of 1974 (P.L. 93-641), Massachusetts is divided into six Health Service Areas (HSAs) for the purpose of planning and developing health services. Each HSA encompasses both metropolitan and non-metropolitan areas and contains at least one center for the provision of highly specialized health services.
HEALTH SYSTEMS AGENCY	A Health Systems Agency (HSA) is the public planning body which is responsible for the establishment and implementation of a comprehensive health systems plan within a particular service area. The purpose of the comprehensive plan is to improve the health of HSA residents, increase accessiblity and quality of health services, restrain cost increase and prevent unnecessary duplication of health resources. The executive committee of the agency is composed both of consumers and providers of health care, with the consumers forming the majority. The consumer membership of the committee is chosen to be broadly representative of the social, economic, linguistic and racial populations, geographic areas of the HSA, and major purchasers of health care.
OCCURRENCE	The place where the event actually happened. In Massachusetts, place will be one of 351 cities or towns.
RACE	For birth records: The mother's response to the question of her own and the child's father's racial identity. The race of the baby is determined by consideration of the race(s) of the parents on the birth record. For death records: The response of the informant, i.e., spouse, next of kin, for a death record.
RESIDENCE	The usual place of residence as reported by the mother (for births) or the informant (for deaths). An infant's residence is considered that of its mother.

RATES

BIRTH RATE $= \frac{\text{No. of Resident Live Births}}{\text{Total Population}} \times 1{,}000$

GENERAL FERTILITY RATE $= \frac{\text{No. of Resident Live Births}}{\text{Total Female Population of Childbearing Age (15-44)}} \times 1{,}000$

AGE-SPECIFIC FERTILITY RATE $= \frac{\text{No. of Resident Live Births for a Specific Age of Mother}}{\text{Total Female Population of That Specific Age}} \times 1{,}000$

MORTALITY RATE $= \frac{\text{No. of Resident Deaths}}{\text{Total Population}} \times 1{,}000$

RESIDENT NATURAL INCREASE = Birth Rate - Mortality Rate

FETAL MORTALITY RATE $= \frac{\text{No. of Resident Fetal Deaths}}{\text{Total Live Births and Fetal Deaths}} \times 1{,}000$

INFANT MORTALITY RATE $= \frac{\text{No. of Resident Deaths at Less Than 1 Year of Age}}{\text{Total Live Births}} \times 1{,}000$

NEONATAL MORTALITY RATE $= \frac{\text{No. of Resident Deaths at Less Than 28 Days of Age}}{\text{Total Live Births}} \times 1{,}000$

AGE-SPECIFIC DEATH RATE $= \frac{\text{No. of Resident Deaths in Specific Age Group}}{\text{Total Population in Specific Age Group}} \times 100{,}000$

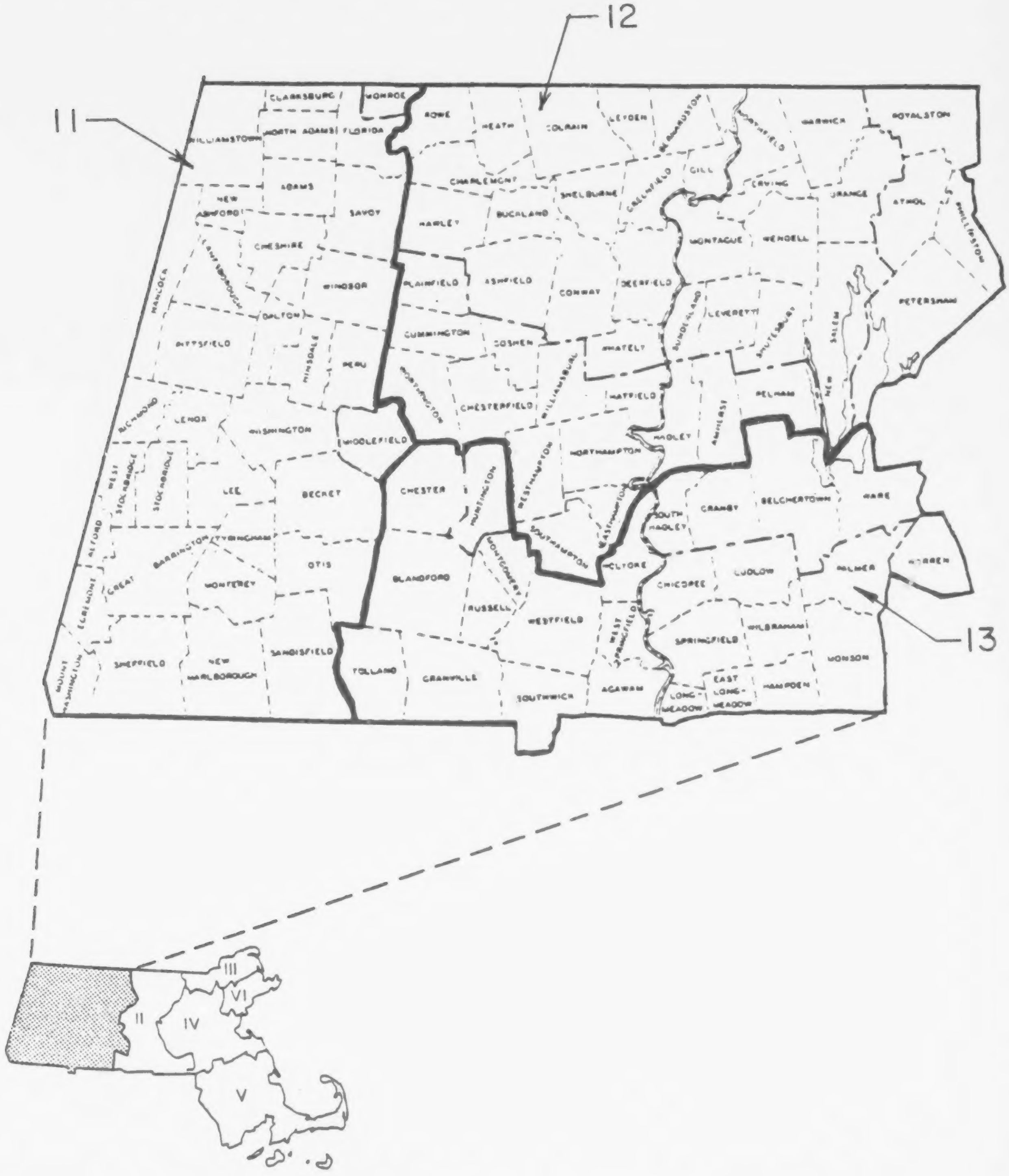
CAUSE-SPECIFIC DEATH RATE $= \frac{\text{No. of Resident Deaths from Specific Cause}}{\text{Total Population}} \times 100{,}000$

MARRIAGE RATE $= \frac{\text{Number of Occurrence Marriages}}{\text{Total Population}} \times 1{,}000$

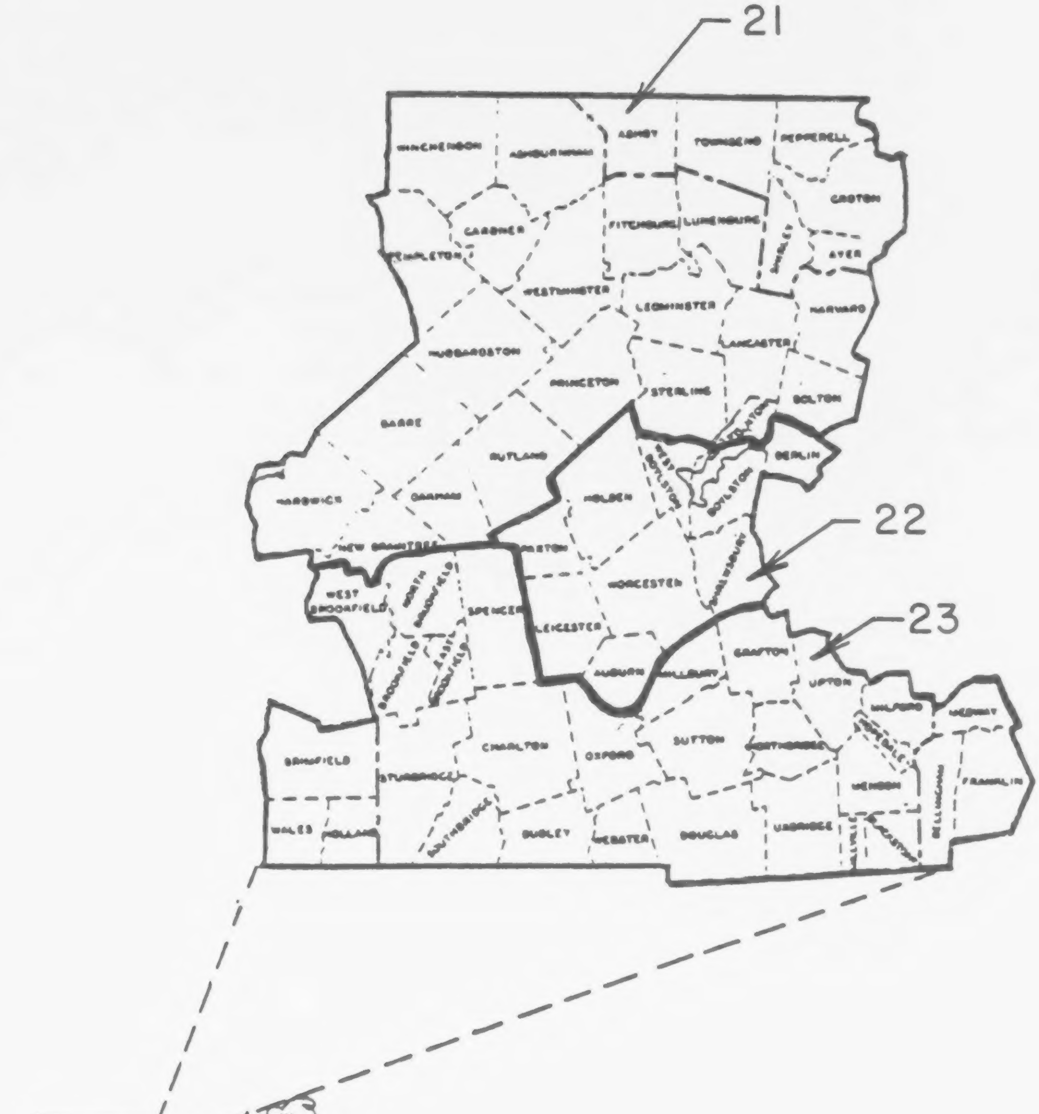
DIVORCE RATE $= \frac{\text{Number of Occurrence Divorces}}{\text{Total Population}} \times 1{,}000$

APPENDIX III
HEALTH SERVICE AREA MAPS

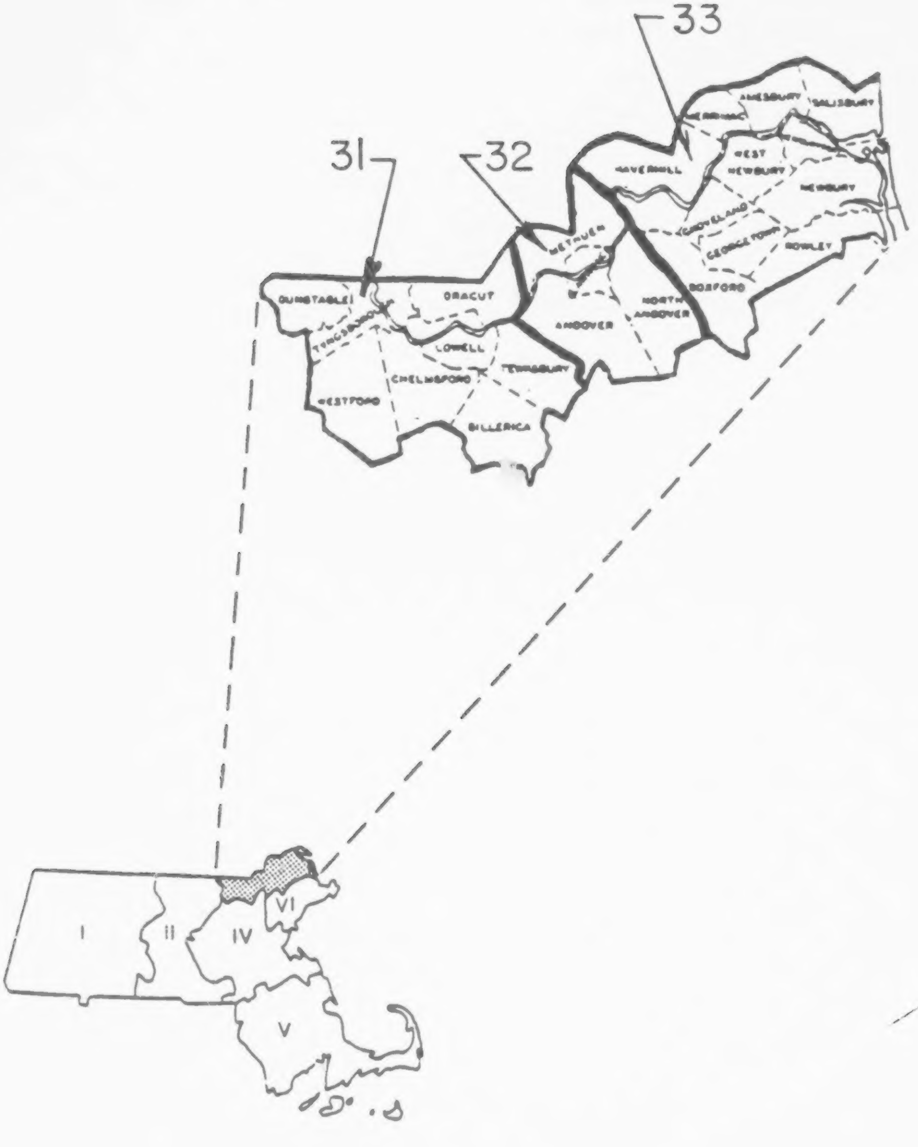
HEALTH SERVICE AREA I


12
11
13
CLARKSBURG
MONROE
ROWE
HEATH
COLRAIN
LEYDEN
BERNARDSTON
NORTHFIELD
WARWICK
ROYALSTON
WILLIAMSTOWN
NORTH ADAMS
FLORIDA
ADAMS
SAVOY
CHARLEMONT
SHELBURNE
GREENFIELD
GILL
ERVING
ORANGE
ATHOL
PHILLIPSTON
NEW ASHFORD
CHESHIRE
LANESBOROUGH
HANCOCK
WINDSOR
DALTON
PITTSFIELD
HINSDALE
PERU
HAWLEY
BUCKLAND
MONTAGUE
WENDELL
PLAINFIELD
ASHFIELD
CONWAY
DEERFIELD
LEVERETT
SHUTESBURY
NEW SALEM
PETERSHAM
CUMMINGTON
GOSHEN
WHATELY
SUNDERLAND
WORTHINGTON
CHESTERFIELD
WILLIAMSBURG
HATFIELD
PELHAM
RICHMOND
LENOX
WASHINGTON
MIDDLEFIELD
WESTHAMPTON
NORTHAMPTON
HADLEY
AMHERST
WEST STOCKBRIDGE
STOCKBRIDGE
LEE
BECKET
CHESTER
HUNTINGTON
EASTHAMPTON
SOUTH HADLEY
GRANBY
BELCHERTOWN
WARE
ALFORD
GREAT BARRINGTON
TYRINGHAM
MONTEREY
OTIS
BLANDFORD
MONTGOMERY
SOUTHAMPTON
HOLYOKE
CHICOPEE
LUDLOW
PALMER
WARREN
EGREMONT
RUSSELL
WESTFIELD
WEST SPRINGFIELD
SPRINGFIELD
WILBRAHAM
MONSON
MOUNT WASHINGTON
SHEFFIELD
NEW MARLBOROUGH
SANDISFIELD
TOLLAND
GRANVILLE
SOUTHWICK
AGAWAM
LONGMEADOW
EAST LONGMEADOW
HAMPDEN
II
III
IV
V
VI

HEALTH SERVICE AREA II


21
22
23
WINCHENDON
ASHBURNHAM
ASHBY
TOWNSEND
PEPPERELL
GROTON
GARDNER
FITCHBURG
LUNENBURG
SHIRLEY
AYER
TEMPLETON
WESTMINSTER
LEOMINSTER
HARVARD
HUBBARDSTON
LANCASTER
PRINCETON
STERLING
BOLTON
CLINTON
BARRE
RUTLAND
BERLIN
WEST BOYLSTON
BOYLSTON
HARDWICK
OAKHAM
HOLDEN
NEW BRAINTREE
PAXTON
WEST BROOKFIELD
NORTH BROOKFIELD
SPENCER
WORCESTER
SHREWSBURY
LEICESTER
BROOKFIELD
EAST BROOKFIELD
AUBURN
MILLBURY
GRAFTON
UPTON
MILFORD
MEDWAY
CHARLTON
OXFORD
SUTTON
NORTHBRIDGE
HOPEDALE
BRIMFIELD
STURBRIDGE
MENDON
BELLINGHAM
FRANKLIN
WALES
HOLLAND
SOUTHBRIDGE
DUDLEY
WEBSTER
DOUGLAS
UXBRIDGE
MILLVILLE
BLACKSTONE
I
III
VI
IV
V

HEALTH SERVICE AREA III


33
31
32
MERRIMAC
AMESBURY
SALISBURY
HAVERHILL
WEST NEWBURY
NEWBURY
METHUEN
GROVELAND
GEORGETOWN
ROWLEY
DUNSTABLE
DRACUT
TYNGSBOROUGH
LOWELL
ANDOVER
NORTH ANDOVER
BOXFORD
TEWKSBURY
CHELMSFORD
WESTFORD
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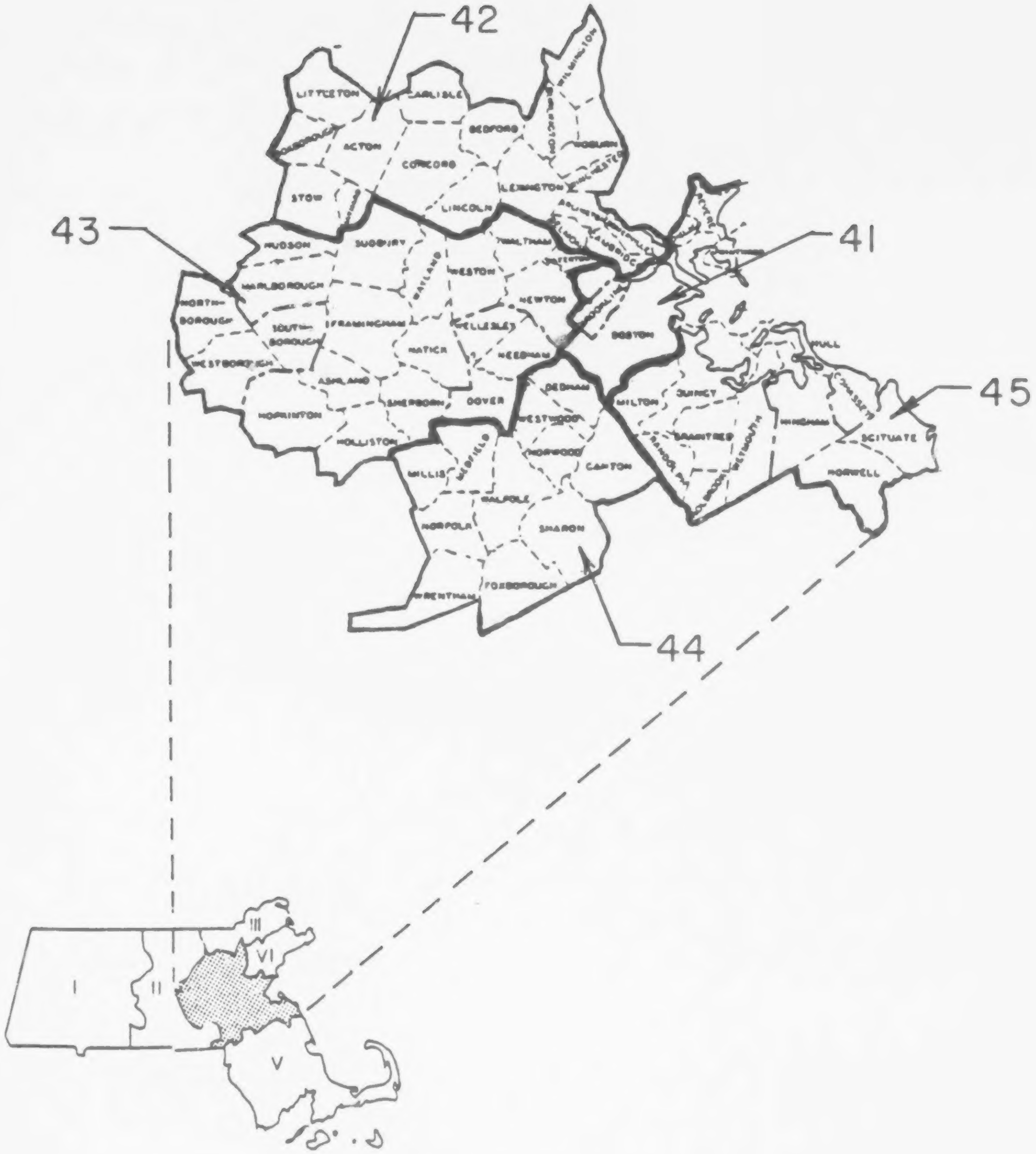
HEALTH SERVICE AREA IV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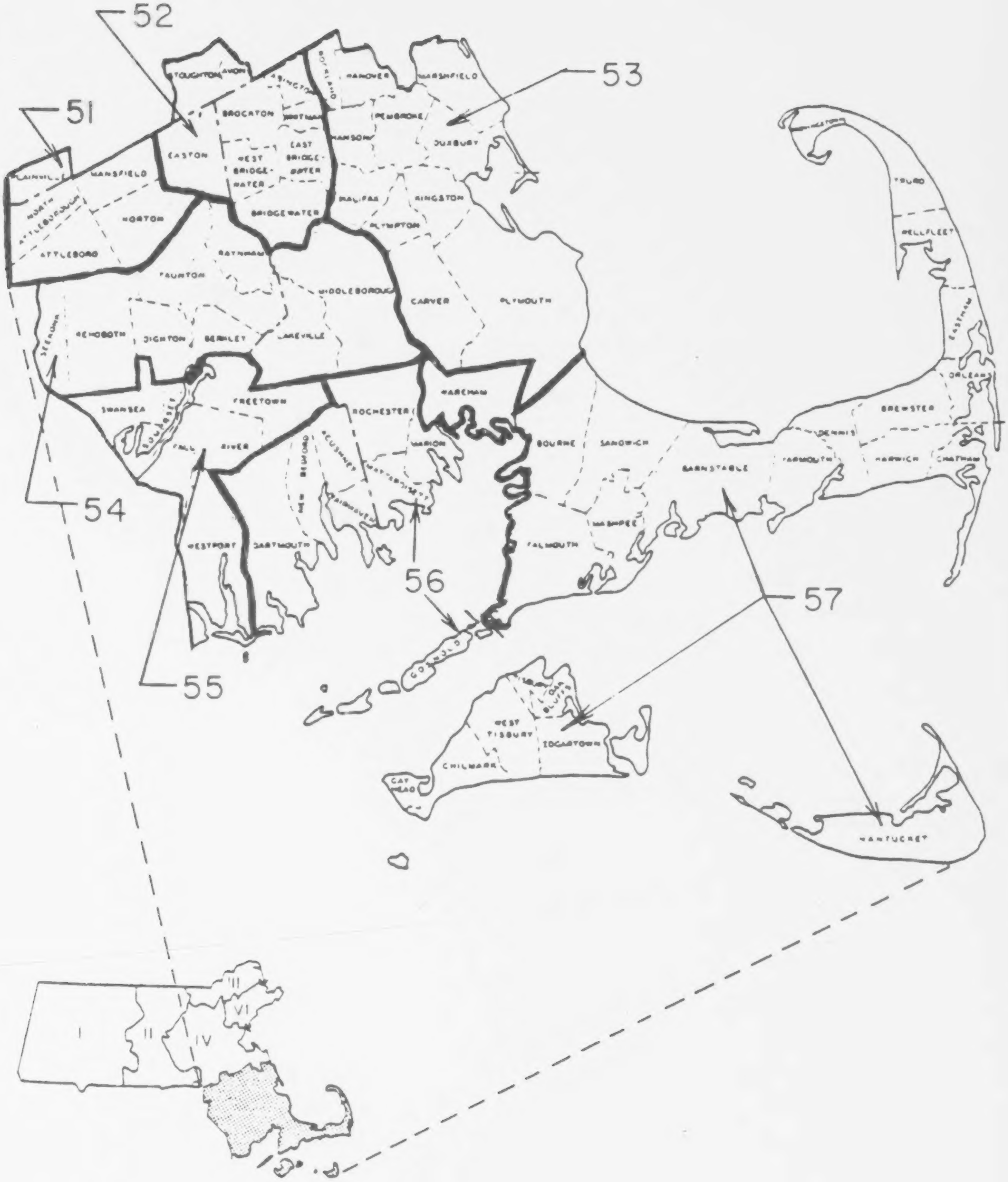
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MANSFIELD
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ATTLEBORO
BRIDGEWATER
HALIFAX
KINGSTON
PLYMPTON
RAYNHAM
TAUNTON
MIDDLEBOROUGH
CARVER
PLYMOUTH
SEEKONK
REHOBOTH
DIGHTON
BERKLEY
LAKEVILLE
SWANSEA
SOMERSET
FREETOWN
WAREHAM
ROCHESTER
FALL RIVER
NEW BEDFORD
ACUSHNET
MARION
MATTAPOISETT
FAIRHAVEN
WESTPORT
DARTMOUTH
BOURNE
SANDWICH
BARNSTABLE
MASHPEE
FALMOUTH
GOSNOLD
PROVINCETOWN
TRURO
WELLFLEET
EASTHAM
ORLEANS
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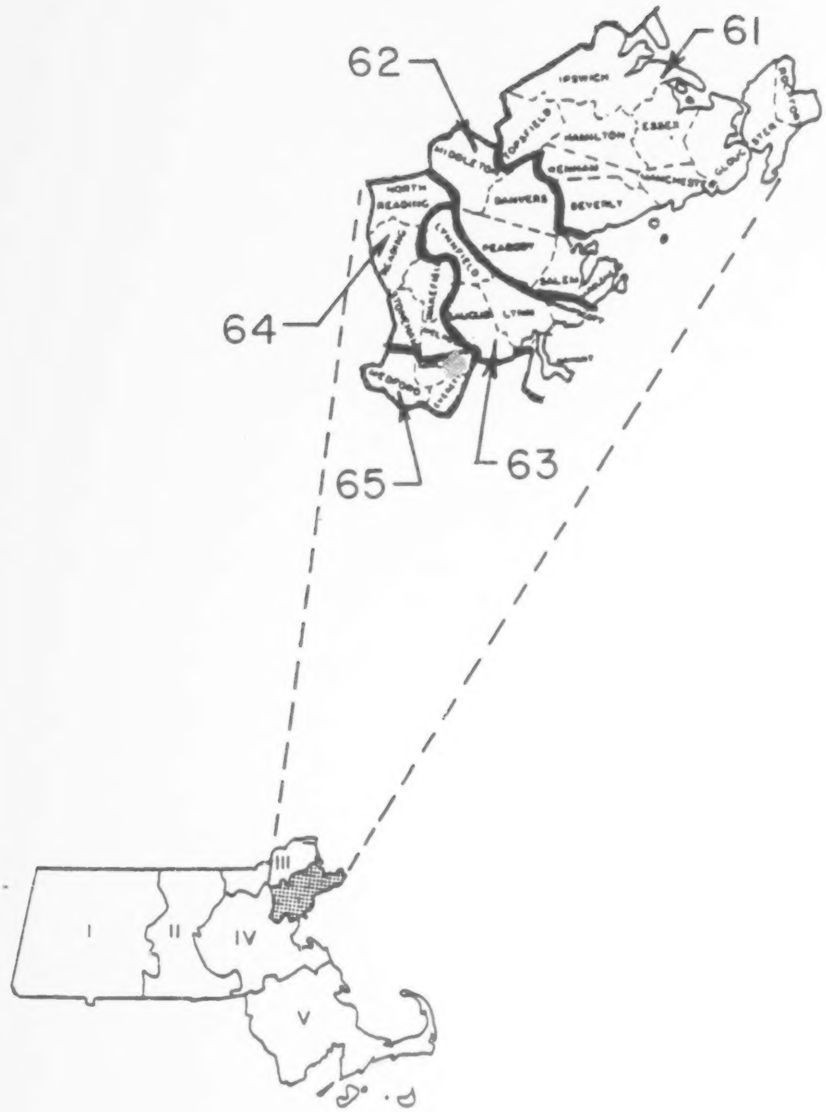
*INCLUDES ACTIVE AND INACTIVE SUBAREA COUNCILS.

HEALTH SERVICE AREA VI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NORTH READING
DANVERS
BEVERLY
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PEABODY
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WAKEFIELD
STONEHAM
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1983 Annual Report
Vital Statistics of Massachusetts

Massachusetts Department of Public Health

PUBLIC DOCUMENT NO. 1

The Commonwealth of Massachusetts
Executive Office of Human Services
Department of Public Health
150 Tremont Street
Boston 02111

Bailus Walker, Jr., Ph.D., M.P.H.
COMMISSIONER

June, 1985

To the Honorable Senate and
House of Representatives:

We have the honor to submit as required by Chapter 111, Section 2 of General Laws, the one hundred forty-second annual report on statistics of births, deaths, fetal deaths, marriages, divorces, and induced abortions in Massachusetts for the calendar year 1983.

This is the twentieth Annual Report of Vital Statistics published by the Department of Public Health and is intended for administrative and research purposes connected with health programs and population studies.

Respectfully submitted,

Bailus Walker, Jr., Ph.D., M.P.H.
Commissioner of Public Health

PUBLIC DOCUMENT NO. 1

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC HEALTH

MICHAEL S. DUKAKIS, GOVERNOR
PHILIP W. JOHNSTON, SECRETARY, EXECUTIVE OFFICE OF HUMAN SERVICES
BAILUS WALKER, JR., PH.D., M.P.H., COMMISSIONER, DEPARTMENT OF PUBLIC HEALTH

ANNUAL REPORT
VITAL STATISTICS OF MASSACHUSETTS

1983

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF HEALTH STATISTICS AND RESEARCH (SHARON L. ROSEN, PH.D., DIRECTOR)
REGISTRY OF VITAL RECORDS AND STATISTICS (ELAINE B. TRUDEAU, REGISTRAR)
150 TREMONT STREET
BOSTON, MA 02111

MAY, 1985

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Department of Public Health staff most significantly involved in the production of the 1983 ANNUAL REPORT include:

Elaine Trudeau, editor;

Robert Rosofsky, document coordination;

Irene Klangos, supervision of computer graphics and special table production, with programming by Lynne Whitton and Charlene Zion;

Robert Danley, population statistics;

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Phyllis Zeuli, supervision of the Vital Statistics Unit which is responsible for data collection, coding and editing.

The 1983 ANNUAL REPORT OF VITAL STATISTICS has been compiled and produced under the general supervision and direction of:

James V. Divver, Assistant Commissioner for Health Care Systems;

Sharon L. Rosen, Ph.D., Director of the Division of Health Statistics and Research.

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INTRODUCTION

The Annual Report of Vital Statistics (Public Document No. 1) has been continuously published since 1842. This is the 20th edition produced by the Department of Public Health. The report, required under the provisions of Section 2, Chapter 111 of the Massachusetts General Laws, tabulates data on Massachusetts births, fetal deaths, deaths, marriages, divorces, induced abortions, and population for calendar year 1983. Approximately 2,000 copies of the report are distributed to federal, state, and local governmental agencies, private and public health planners and researchers, students and members of the general public. The report provides its users with an overview of the health status of the Massachusetts population.

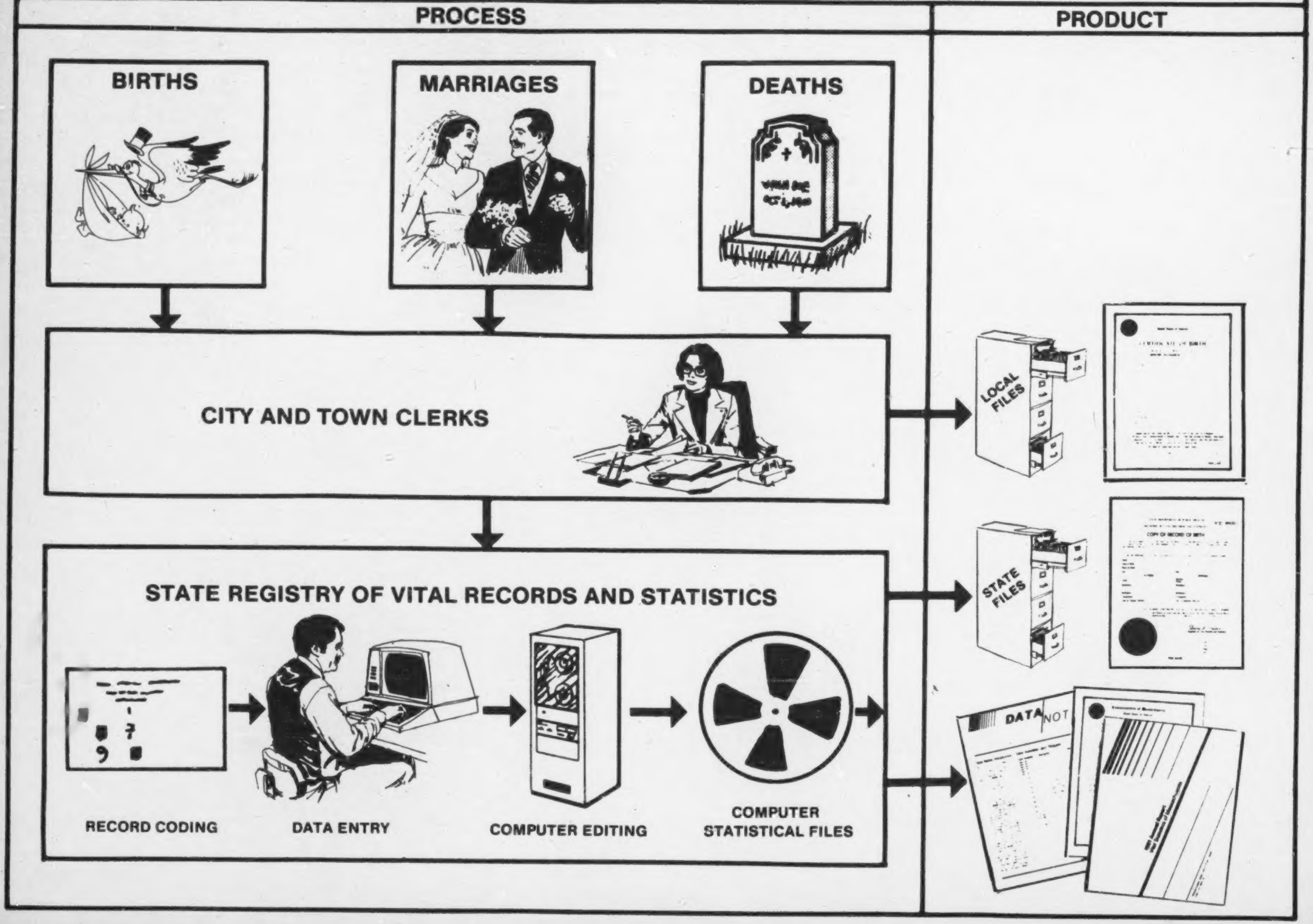
Vital statistics data may be tabulated either in terms of residence or occurrence data. Resident data include all events which occur to residents of the Commonwealth wherever they occur. Occurrence data include all those events which occur within the state, including those which occur to out-of-state residents. There is an interstate exchange agreement among the fifty states and Canada which provides for the exchange of copies of birth and death records. These records are exchanged for statistical purposes only, for events which occur in states other than where the individual resides; this allows each of the states and provinces to track the births and deaths of their residents. The majority of the data presented in this report for births and deaths is based on resident data. Fetal death, marriage, divorce, and induced abortion data, however, reflect occurrences within the Commonwealth only.

REGISTRATION

The first government operated system of vital events registration anywhere in the world began in the Commonwealth of Massachusetts in 1639 under colonial administration. Prior to that time, the responsibility for the registration of vital events had been placed on church officials. The Massachusetts system mandated the registration of vital events by the clerks of the communities. In 1841, the Massachusetts legislature established the first statewide coordination for the registration of these events by requiring that copies of the events registered in the local cities and towns be sent to the Secretary of State. In 1976, the responsibility for the state coordination was transferred to the Department of Public Health. This was accomplished to rejoin the statistical and registration functions which had been separated by the 1964 transfer of the statistical function to the health department. With the exception of the administrative location of the State Registry, the actual mechanics of the system have changed remarkably little over the years.

With limited exceptions, most vital records in Massachusetts are open, public records. The figure on the next page illustrates the registration process in Massachusetts. For open birth and death records, there is a triple registration process in Massachusetts. The event is first recorded in the city or town where the event occurred. The clerk of that community is then required to forward a certified copy of the record to the community where the person resided at the time of the event and a copy to the State Registry. Certified

The Vital Records and Statistics Process


PROCESS
PRODUCT
BIRTHS
MARRIAGES
DEATHS
CITY AND TOWN CLERKS
LOCAL FILES
STATE REGISTRY OF VITAL RECORDS AND STATISTICS
STATE FILES
RECORD CODING
DATA ENTRY
COMPUTER EDITING
COMPUTER STATISTICAL FILES
DATA
NOT

copies of the records may be issued from local or state records. If the record is a restricted record, such as those of out-of-wedlock births, the registration occurs only in the community where the event occurred and the state office.

In addition to receiving a legal copy of each birth record from the city or town in which the birth occurred, the State Registry also receives a confidential copy of the birth record directly from the hospital or birth center where the birth occurred. This copy includes confidential medical information in addition to the legal information. It is this copy of the record which is processed to produce the statistical information on births contained in this report.

Anyone wishing to be married in the Commonwealth may receive their license from any of the 351 cities or towns in the state regardless of where they reside or where the marriage is to take place. The community issuing the license is required to send an attested copy of the marriage record to the State Registry.

The Registry of Vital Records and Statistics receives directly from hospitals the reports of fetal deaths of twenty or more weeks gestation. There are no local filings of fetal death reports. The State Registry receives summary reports of induced abortions each month from hospitals, clinics, and physicians. Abstracts of divorces granted are also sent directly to the State Registry from the Registers of Probate from each county probate court.

STATISTICAL PROCESSING AND TABULATING

The records received in the State Registry are carefully examined for errors or inconsistencies and are queried if necessary. These records are then coded and computerized. Annually, when registration is considered as complete as possible, statistics are aggregated for presentation in this report, special studies, and program monitoring and surveillance.

Anyone using statistical information for comparisons over time should be aware of inconsistencies and changing conventions for classification and coding. This is particularly important when using cause of death information. Codes used for classifying cause of death in this report are based on the Ninth Revision of the International Classification of Diseases, World Health Organization. Classification of variables such as race, nativity, and marital status may also differ over time.

It is hoped that this report will be useful to a wide range of health data users in the Commonwealth, as well as educational planners, demographers, and historians. Questions concerning these data and requests for more detailed findings should be directed to the Massachusetts Department of Public Health, Division of Health Statistics and Research, 150 Tremont Street, Boston, Massachusetts 02111, (617) 727-2977.

VITAL EVENTS

SECTION A

VITAL EVENTS

The rate of natural increase, i.e., the difference between the rate of births and deaths, in Massachusetts reflected a slight decrease in 1983 to 3.8 per 1,000 residents from 4.0 in 1982. Figure A-2 illustrates that the Massachusetts rate remains far below the U.S. rate of 6.9. It is interesting to note that while the Massachusetts rate of natural increase over the past seventy years has shown considerably more variability than that of the U.S., the general trend between the two has remained very steady.

The number of births in 1983 increased by 0.4% over 1982 (76,031 compared to 75,749), and the number of deaths increased 2.4% over 1982 (54,150 compared to 52,868). The birth rate for Massachusetts of 13.2 per 1,000 population is lower than the U.S. rate of 15.5. While the Massachusetts death rate rose to 9.4, the U.S. rate remained at 8.6.

The number of infant and neonatal deaths decreased substantially in Massachusetts in 1983. Infant deaths decreased by 10.7% for a total of 682 compared to 764 in 1982, a rate decrease to 9.9 per 1,000 live births from the rate of 10.1 in 1982. Neonatal deaths decreased by 15.9% to 482, reflecting a rate of 6.3 per 1,000 live births compared to a rate of 7.6 in 1982. These figures compare favorably to the United States where the rates are 10.9 for infants and 7.3 for neonatal deaths respectively. It should be noted, however, that the U.S. data are provisional.

The number of fetal deaths in 1983 showed a decrease of 7.1% to 550 from the 1982 figure of 592.

Marriages occurring in Massachusetts increased slightly by 0.2% from 1982, while the number of divorces decreased 5.4%. The Massachusetts marriage rate of 8.5 per 1,000 population and the divorce rate of 3.2 were both lower than the national rates in 1983. Over the past decade, the difference between the U.S. and the Massachusetts divorce rate has been steadily diminishing.

Induced abortions were 7.5% lower in 1983 than in 1982. This is the fourth year in which there was a decrease in the number of abortions.

In addition to expanding on the information described above, this section includes tables and graphic presentations of summary birth and death data for each city and town, county, and health service area in Massachusetts. A breakdown of vital events by 1983 calendar month is provided as well as summary birth and death data since 1980. Succeeding sections of this report present detailed data on each type of vital event.

FIGURE A-1

1983 MASSACHUSETTS VITAL EVENTS

Each day Massachusetts residents had approximately:

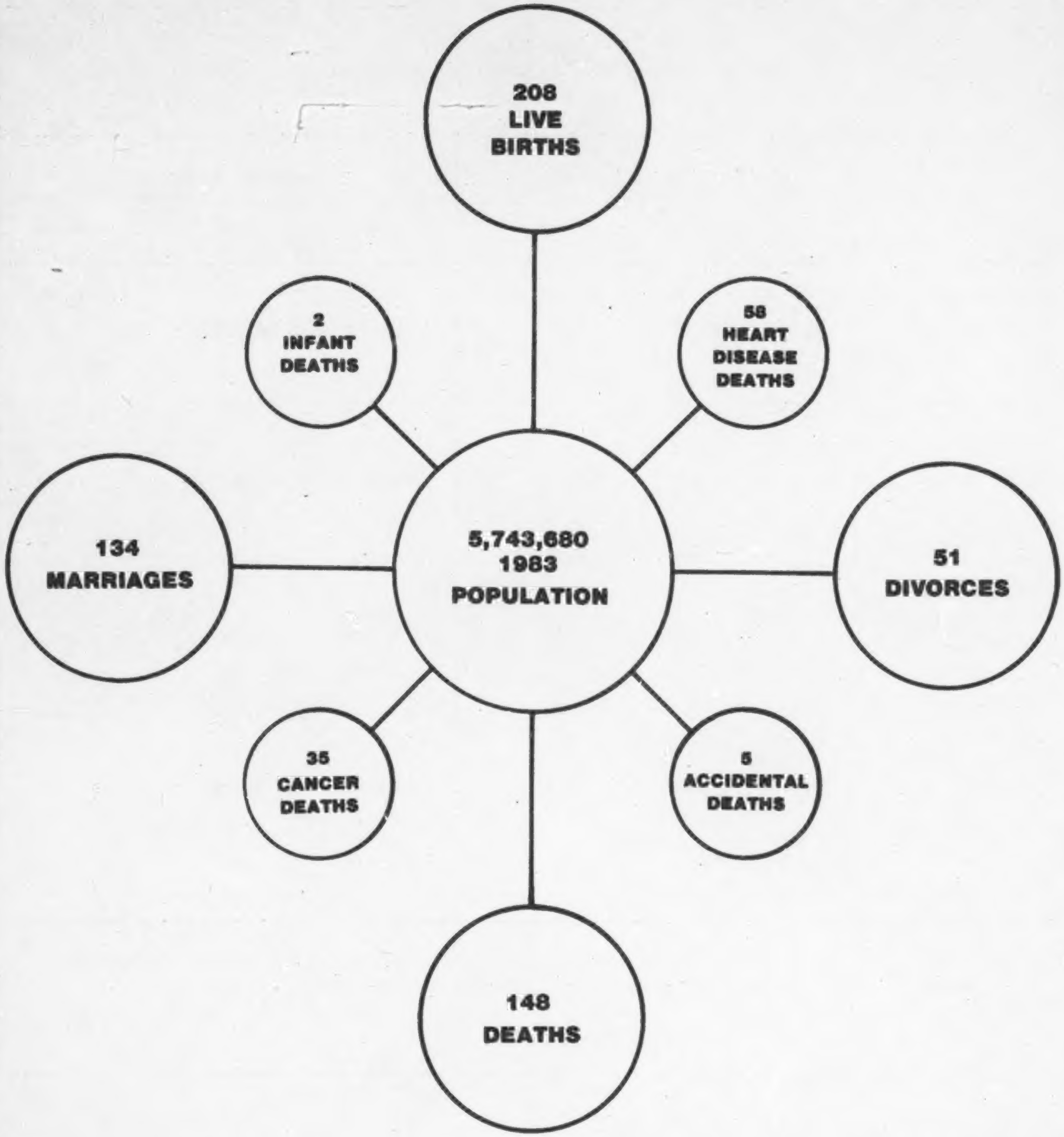

208 LIVE BIRTHS
2 INFANT DEATHS
58 HEART DISEASE DEATHS
134 MARRIAGES
5,743,680 1983 POPULATION
51 DIVORCES
35 CANCER DEATHS
5 ACCIDENTAL DEATHS
148 DEATHS

TABLE A-1
SUMMARY OF VITAL EVENTS--MASSACHUSETTS AND UNITED STATES
1982-1983

	- MASSACHUSETTS -			- UNITED STATES -		
VITAL EVENT	1982	1983	% CHANGE	1982	1983	% CHANGE
LIVE BIRTHS	75,749	76,031	+0.4	3,704,000	3,614,000	-2.4
FETAL DEATHS	592	550	-7.1	N/A	N/A	
TOTAL DEATHS	52,868	54,150	+2.4	1,986,000	2,010,000	+1.2
INFANT DEATHS	764	682	-10.7	41,700	39,400	-5.5
NEONATAL DEATHS	573	482	-15.9	28,200	26,400	-6.3
MARRIAGES	48,645	48,749	+0.2	2,495,000	2,444,000	-2.0
DIVORCES	19,531	18,477	-5.4	1,180,000	1,179,000	0
ABORTIONS	40,308	37,272	-7.5	N/A	N/A	

NOTE: NEONATAL AND INFANT DEATHS ARE INCLUDED IN TOTAL DEATHS, BUT NOT FETAL DEATHS. FIGURES FOR MARRIAGES, DIVORCES AND ABORTION REFLECT OCCURRENCE, NOT RESIDENCE.

ALL U.S. FIGURES OTHER THAN BIRTHS ARE PROVISIONAL.

TABLE A-2
CRUDE RATES OF VITAL EVENTS, MASSACHUSETTS AND UNITED STATES
1982-1983

VITAL EVENT	- MASSACHUSETTS -		- UNITED STATES -	
	1982	1983	1982	1983
LIVE BIRTHS	13.2	13.2	15.9	15.5
FETAL DEATHS	7.8	7.2	N/A	N/A
TOTAL DEATHS	9.2	9.4	8.6	8.6
INFANT DEATHS	10.1	9.0	11.2	10.9
NEONATAL DEATHS	7.6	6.3	7.6	7.3
MARRIAGES	8.5	8.5	10.8	10.5
DIVORCES	3.4	3.2	5.1	5.0
ABORTIONS	7.0	6.5	N/A	N/A

NOTE: THE RATES FOR LIVE BIRTHS, TOTAL DEATHS, MARRIAGES, DIVORCES AND ABORTIONS ARE PER 1,000 POPULATION.

INFANT AND NEONATAL DEATHS ARE PER 1,000 LIVE BIRTHS.

FETAL DEATHS ARE PER 1,000 LIVE BIRTHS AND FETAL DEATHS.

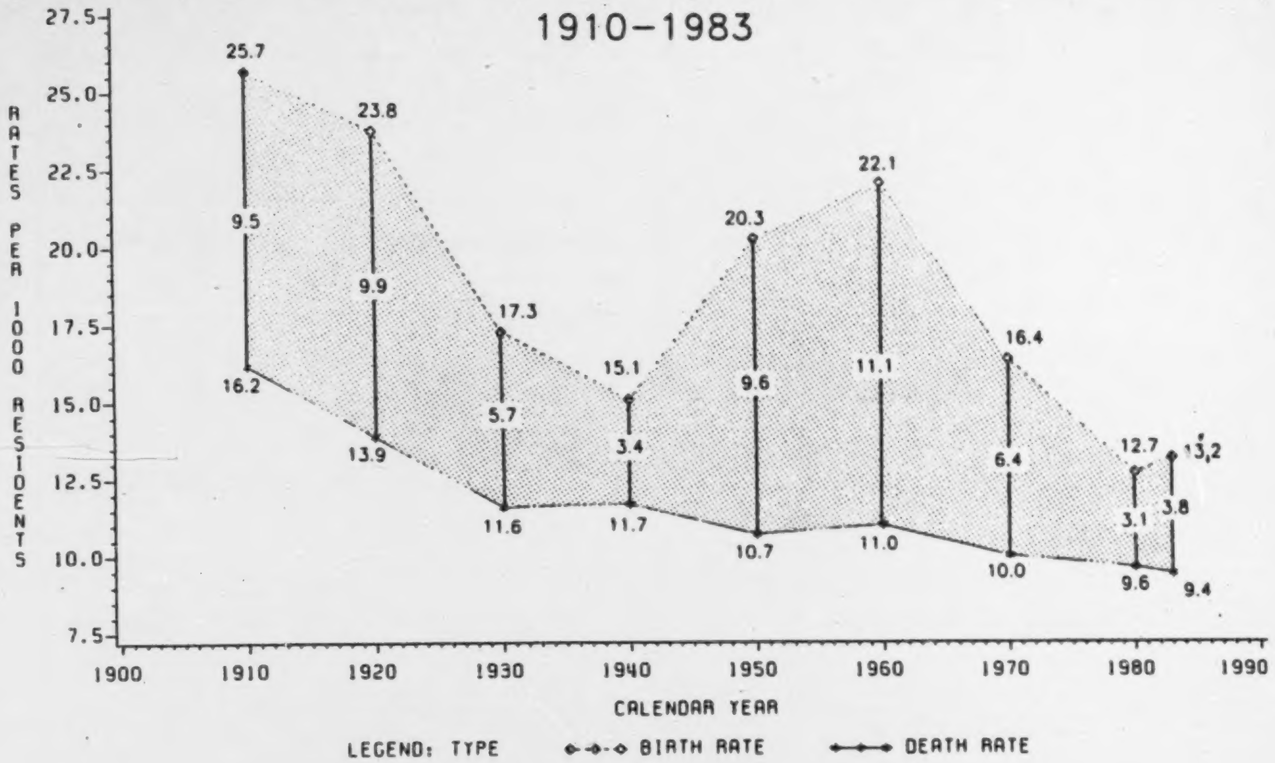
ALL U.S. RATES OTHER THAN BIRTHS ARE PROVISIONAL.

TABLE A-3
MASSACHUSETTS RESIDENT BIRTHS AND DEATHS AND RESULTANT NATURAL INCREASE
1900-1983

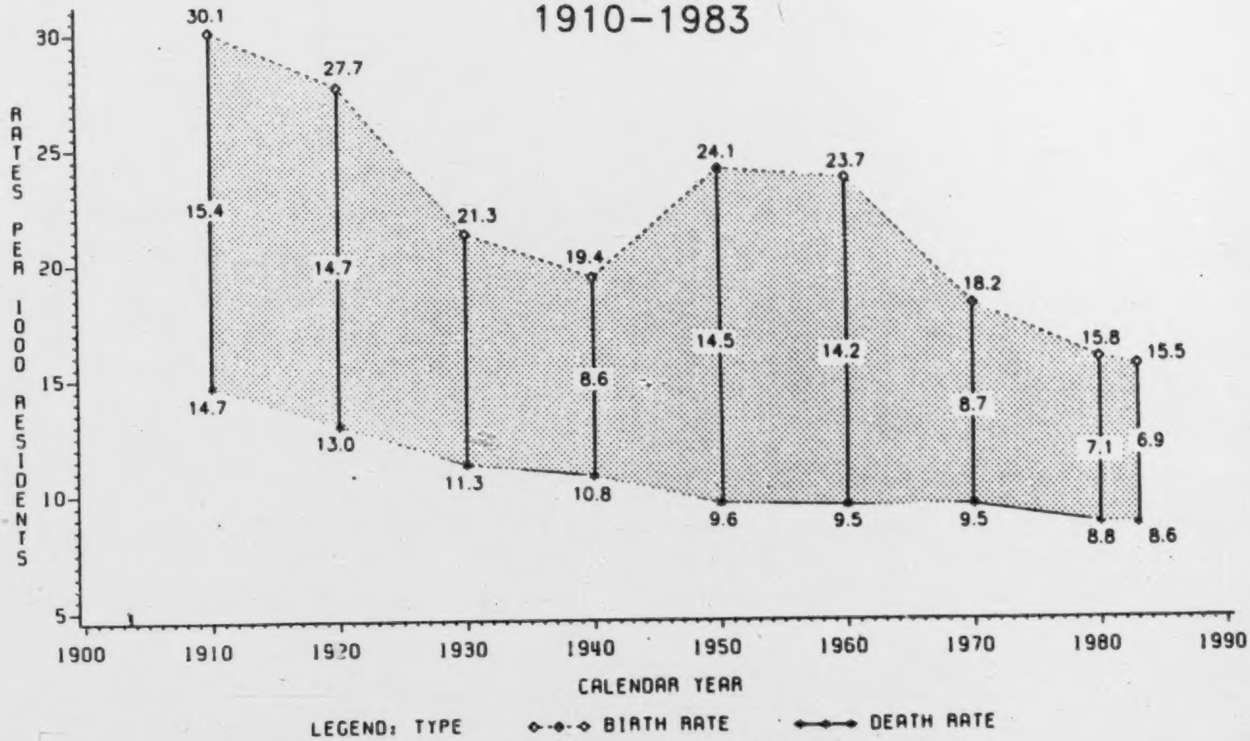
YEAR	BIRTHS	DEATHS	NATURAL INCREASE	RATE
1900	73,386	51,156	22,230	7.9
1905	75,022	50,486	24,536	8.2
1910	86,539	54,407	32,132	9.5
1915	93,155	53,131	40,024	10.8
1920	91,859	53,632	38,227	9.9
1925	86,014	51,890	34,124	8.2
1930	73,690	49,503	24,187	5.7
1935	62,416	49,634	12,782	2.9
1940	65,369	50,698	14,671	3.4
1945	76,455	50,763	25,692	5.7
1950	95,619	50,359	45,260	9.6
1955	109,610	53,386	56,224	11.6
1960	114,018	56,560	57,458	11.2
1965	100,262	58,853	41,409	7.8
1970	93,582	56,944	36,638	6.4
1975	68,070	53,708	14,362	2.5
1980	72,591	54,935	17,656	3.1
1981	73,931	52,814	21,117	3.7
1982	75,749	52,868	22,881	4.0
1983	76,031	54,150	21,881	3.8

FIGURE A-2

MASSACHUSETTS RATE OF NATURAL INCREASE



UNITED STATES RATE OF NATURAL INCREASE



NOTE: 1983 U.S. DATA IS PROVISIONAL

TABLE A-4
VITAL EVENTS BY MONTH
1983

		BIRTHS	FETAL DEATHS	DEATHS	INFANT DEATHS	NEONATAL DEATHS	MARRIAGES	DIVORCES	ABORTIONS
JANUARY	N	6,068	59	4,829	49	28	1,892	1,417	3,423
	%	8.0	10.7	8.9	7.2	5.8	3.9	7.7	9.2
FEBRUARY	N	5,658	35	4,511	56	32	1,954	1,366	3,200
	%	7.4	6.4	8.3	8.2	6.6	4.0	7.4	8.6
MARCH	N	6,574	50	5,020	63	48	2,132	1,580	3,689
	%	8.6	9.1	9.3	9.2	10.0	4.4	8.6	9.9
APRIL	N	6,409	52	4,635	67	47	3,848	1,477	3,272
	%	8.4	9.5	8.6	9.8	9.7	7.9	8.0	8.8
MAY	N	6,704	64	4,448	63	48	5,413	1,699	3,028
	%	8.8	11.6	8.2	9.2	10.0	11.1	9.2	8.1
JUNE	N	6,438	47	4,193	51	37	6,084	1,678	3,026
	%	8.5	8.5	7.7	7.5	7.7	12.5	9.1	8.1
JULY	N	6,719	46	4,299	51	42	4,872	1,408	2,970
	%	8.8	8.4	7.9	7.5	8.7	10.0	7.6	8.0
AUGUST	N	6,548	38	4,225	59	44	5,284	1,299	3,042
	%	8.6	6.9	7.8	8.7	9.1	10.8	7.0	8.1
SEPTEMBER	N	6,431	34	4,042	55	39	5,766	1,569	2,940
	%	8.5	6.2	7.5	8.1	8.1	11.8	8.5	7.9
OCTOBER	N	6,430	39	4,464	55	37	5,957	1,559	2,964
	%	8.5	7.1	8.2	8.1	7.7	12.2	8.4	8.0
NOVEMBER	N	5,932	44	4,576	52	39	3,081	1,472	2,753
	%	7.8	8.0	8.5	7.6	8.1	6.3	8.0	7.4
DECEMBER	N	6,120	42	4,908	61	41	2,506	1,953	2,965
	%	8.1	7.6	9.1	8.9	8.5	5.1	10.5	8.0
TOTALS	N	76,031	550	54,150	682	482	48,789	18,477	37,272
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1983

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS ********									RESIDENT NATURAL INCREASE
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
ABINGTON	0	52	210	200	110	90	10	7	3	136	67	69	3	2	1	3	2	1	74
ACTON	2	49	193	186	85	101	7	2	5	90	38	52	1	0	1	1	0	1	103
ACUSHNET	0	18	68	64	31	33	4	2	2	83	45	38	1	1	0	0	0	0	-15
ADAMS	1	26	113	108	55	53	5	4	1	140	68	72	0	0	0	0	0	0	-27
AGAWAM	0	90	317	295	141	154	22	14	8	213	103	110	1	1	0	1	1	0	104
ALFORD	0	0	4	4	1	3	0	0	0	1	0	1	0	0	0	0	0	0	3
AMESBURY	4	179	257	245	130	115	12	5	7	162	64	98	3	2	1	3	2	1	95
AMHERST	6	39	200	192	96	96	8	6	2	101	53	48	0	0	0	0	0	0	99
ANDOVER	1	46	276	262	130	132	14	5	9	175	77	98	1	1	0	0	0	0	101
ARLINGTON	3	423	493	466	221	245	27	12	15	553	258	295	7	4	3	7	4	3	-60
ASHBURNHAM	0	4	58	55	28	27	3	1	2	34	14	20	0	0	0	0	0	0	24
ASHBY	0	0	37	35	20	15	2	1	1	15	9	6	0	0	0	0	0	0	22
ASHFIELD	1	3	20	20	14	6	0	0	0	14	6	8	0	0	0	0	0	0	6
ASHLAND	2	9	183	175	85	90	8	3	5	69	39	30	1	1	0	1	1	0	114
ATHOL	0	141	153	140	71	69	13	3	10	121	62	59	0	0	0	0	0	0	32
ATTLEBORO	993	517	489	472	261	211	17	8	9	335	179	156	4	4	0	1	1	0	154
AUBURN	0	19	135	129	66	63	6	2	4	122	67	55	0	0	0	0	0	0	13
AVON	0	2	58	52	30	22	6	2	4	23	11	12	0	0	0	0	0	0	35
AYER	2	165	288	276	140	136	12	8	4	64	33	31	1	0	1	1	0	1	224
BARNSTABLE	1088	995	463	437	232	205	26	10	16	391	192	199	4	3	1	4	3	1	72
BARRE	0	11	53	49	24	25	4	0	4	46	19	27	1	0	1	1	0	1	7
BECKET	0	4	20	18	7	11	2	2	0	8	4	4	0	0	0	0	0	0	12
BEDFORD	0	181	188	177	90	87	11	4	7	98	51	47	2	2	0	2	2	0	90
BELCHERTOWN	2	16	126	120	54	66	6	3	3	63	33	30	0	0	0	0	0	0	63

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1983

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS ********									RESIDENT NATURAL INCREASE
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
BELLINGHAM	2	17	196	184	88	96	12	6	6	81	39	42	1	0	1	1	0	1	115
BELMONT	0	73	262	246	131	115	16	11	5	305	137	168	1	1	0	0	0	0	-43
BERKLEY	0	5	29	26	14	12	3	3	0	19	11	8	0	0	0	0	0	0	10
BERLIN	1	1	23	21	9	12	2	0	2	12	3	9	0	0	0	0	0	0	11
BERNARDSTON	1	6	18	16	6	10	2	0	2	21	11	10	0	0	0	0	0	0	-3
BEVERLY	1132	472	532	505	265	240	27	17	10	319	143	176	3	3	0	0	0	0	213
BILLERICA	1	51	557	524	266	258	33	17	16	182	99	83	6	5	1	4	3	1	375
BLACKSTONE	0	9	97	90	43	47	7	5	2	60	23	37	1	1	0	1	1	0	37
BLANDFORD	0	1	13	12	7	5	1	0	1	7	6	1	0	0	0	0	0	0	6
BOLTON	0	4	39	37	21	16	2	1	1	11	6	5	0	0	0	0	0	0	28
BOSTON	17883	9473	8316	7580	3896	3684	736	369	367	5697	2827	2870	96	59	37	69	41	28	2619
BOURNE	2	79	229	217	108	109	12	3	9	124	59	65	0	0	0	0	0	0	105
BOXBOROUGH	2	3	58	57	29	28	1	1	0	13	6	7	0	0	0	0	0	0	45
BOXFORD	1	4	72	68	33	35	4	3	1	26	13	13	0	0	0	0	0	0	46
BOYLSTON	0	78	43	40	22	18	3	1	2	23	11	12	0	0	0	0	0	0	20
BRAINTREE	3	300	368	341	181	160	27	18	9	359	170	189	5	5	0	5	5	0	9
BREWSTER	1	45	69	67	31	36	2	1	1	66	32	34	0	0	0	0	0	0	3
BRIDGEWATER	2	36	228	217	114	103	11	3	8	96	43	53	3	0	3	3	0	3	132
BRIMFIELD	0	2	31	29	13	16	2	1	1	24	16	8	0	0	0	0	0	0	7
BROCKTON	1208	1466	1653	1544	800	744	109	49	60	939	472	467	17	9	8	8	2	6	714
BROOKFIELD	0	2	34	34	21	13	0	0	0	16	9	7	0	0	0	0	0	0	18
BROOKLINE	2	209	533	504	275	229	29	9	20	577	255	322	12	4	8	12	4	8	-44
BUCKLAND	0	4	29	27	13	14	2	2	0	14	10	4	0	0	0	0	0	0	15
BURLINGTON	1	308	228	213	104	109	15	10	5	111	57	54	3	3	0	2	2	0	117

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1983

	OCCURRENCE		*** R E S I D E N T B I R T H S *******							********** R E S I D E N T D E A T H S ********									RESIDENT
			BIRTH	---M A T U R E----			I M M A T U R E*			----ALL DEATHS----			----INFANT----			---NEONATAL--			NATURAL
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML*	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	INCREASE
CAMBRIDGE	1459	1341	1057	985	475	510	72	44	28	816	396	420	3	2	1	3	2	1	241
CANTON	0	44	203	189	100	89	14	6	8	145	61	84	3	1	2	3	1	2	58
CARLISLE	0	6	37	37	23	14	0	0	0	15	9	6	0	0	0	0	0	0	22
CARVER	1	9	124	116	59	57	8	1	7	49	32	17	0	0	0	0	0	0	75
CHARLEMONT	0	0	11	9	5	4	2	2	0	7	3	4	0	0	0	0	0	0	4
CHARLTON	0	36	127	122	66	56	5	2	3	63	30	33	0	0	0	0	0	0	64
CHATHAM	0	25	59	55	29	26	4	3	1	83	46	37	0	0	0	0	0	0	-24
CHELMSFORD	1	81	305	294	143	151	11	5	6	213	108	105	2	0	2	2	0	2	92
CHELSEA	0	213	397	367	189	178	30	14	16	390	211	179	4	2	2	3	1	2	7
CHESHIRE	0	10	58	57	32	25	1	0	1	27	11	16	0	0	0	0	0	0	31
CHESTER	1	4	16	14	7	7	2	2	0	13	5	8	0	0	0	0	0	0	3
CHESTERFIELD	1	1	20	18	12	6	2	1	1	9	6	3	0	0	0	0	0	0	11
CHICOPEE	2	175	694	656	326	330	38	24	14	607	314	293	9	7	2	6	6	0	87
CHILMARK	0	1	7	5	4	1	2	0	2	5	1	4	0	0	0	0	0	0	2
CLARKSBURG	0	1	20	20	11	9	0	0	0	15	10	5	0	0	0	0	0	0	5
CLINTON	1	132	210	200	101	99	10	2	8	148	72	76	1	1	0	0	0	0	62
COHASSET	0	57	79	77	36	41	2	2	0	76	27	49	1	0	1	1	0	1	3
COLRAIN	1	2	33	30	20	10	3	0	3	12	9	3	0	0	0	0	0	0	21
CONCORD	1645	353	153	142	68	74	11	6	5	119	52	67	2	1	1	1	0	1	34
CONWAY	1	0	25	24	12	12	1	0	1	5	3	2	0	0	0	0	0	0	20
CUMMINGTON	0	0	14	14	8	6	0	0	0	8	4	4	1	1	0	1	1	0	6
DALTON	1	18	78	76	36	40	2	2	0	63	29	34	0	0	0	0	0	0	15
DANVERS	649	367	262	245	103	142	17	6	11	254	128	126	2	2	0	2	2	0	8
DARTMOUTH	1	112	232	223	110	113	9	6	3	255	133	122	2	1	1	1	1	0	-23

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1983

	OCCURRENCE		*** R E S I D E N T B I R T H S *******							********** R E S I D E N T D E A T H S ********									RESIDENT NATURAL INCREASE
			BIRTH	---M A T U R E----			I M M A T U R E			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
DEDHAM	3	69	274	263	133	130	11	2	9	244	117	127	1	1	0	1	1	0	30
DEERFIELD	0	19	56	53	23	30	3	2	1	28	18	10	0	0	0	0	0	0	28
DENNIS	1	43	145	135	74	61	10	3	7	192	107	85	0	0	0	0	0	0	-47
DIGHTON	0	11	47	46	18	28	1	1	0	47	27	20	1	1	0	1	1	0	0
DOUGLAS	0	6	75	73	30	43	2	1	1	32	18	14	1	1	0	1	1	0	43
DOVER	1	7	38	38	16	22	0	0	0	33	20	13	0	0	0	0	0	0	5
DRACUT	1	21	314	295	168	127	19	12	7	178	103	75	8	6	2	7	5	2	136
DUDLEY	0	15	116	109	66	43	7	3	4	63	40	23	3	2	1	1	0	1	53
DUNSTABLE	0	3	27	26	17	9	1	1	0	11	7	4	0	0	0	0	0	0	16
DUXBURY	1	5	165	155	86	69	10	5	5	70	38	32	2	2	0	2	2	0	95
EAST BRIDGEWATER	2	26	134	130	61	69	4	1	3	75	40	35	1	0	1	0	0	0	59
EAST BROOKFIELD	0	2	27	25	12	13	2	1	1	12	5	7	0	0	0	0	0	0	15
EAST LONGMEADOW	0	52	105	101	57	44	4	2	2	114	48	66	1	1	0	1	1	0	-9
EASTHAM	0	10	37	36	16	20	1	1	0	36	19	17	0	0	0	0	0	0	1
EASTHAMPTON	0	33	220	210	114	96	10	5	5	162	88	74	2	2	0	2	2	0	58
EASTON	1	31	227	212	120	92	15	10	5	105	47	58	1	0	1	1	0	1	122
EDGARTOWN	2	12	33	31	15	16	2	2	0	30	18	12	1	1	0	0	0	0	3
EGREMONT	0	0	15	15	11	4	0	0	0	10	6	4	0	0	0	0	0	0	5
ERVING	0	2	5	5	2	3	0	0	0	12	8	4	0	0	0	0	0	0	-7
ESSEX	0	7	47	44	15	29	3	1	2	27	12	15	0	0	0	0	0	0	20
EVERETT	2	404	488	462	246	216	26	11	15	403	227	176	4	2	2	3	1	2	85
FAIRHAVEN	0	95	179	168	94	74	11	5	6	196	105	91	2	0	2	2	0	2	-17
FALL RIVER	1936	1477	1331	1263	654	609	68	31	37	1085	520	565	10	4	6	8	2	6	246
FALMOUTH	445	319	312	291	142	149	21	11	10	248	120	128	2	1	1	2	1	1	64

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1983

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS ********									RESIDENT
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			NATURAL
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	INCREASE
FITCHBURG	756	455	595	565	282	283	30	15	15	440	212	228	4	2	2	3	2	1	155
FLORIDA	0	0	10	10	3	7	0	0	0	4	2	2	0	0	0	0	0	0	6
FOXBOROUGH	0	28	184	177	89	88	7	3	4	109	61	48	0	0	0	0	0	0	75
FRAMINGHAM	1902	789	746	704	353	351	42	20	22	568	274	294	5	2	3	4	2	2	178
FRANKLIN	3	26	272	260	121	139	12	4	8	101	50	51	0	0	0	0	0	0	171
FREETOWN	0	9	82	77	41	36	5	1	4	49	27	22	2	2	0	1	1	0	33
GARDNER	367	279	265	253	145	108	12	8	4	200	108	92	2	2	0	2	2	0	65
GAY HEAD	0	0	5	5	3	2	0	0	0	1	1	0	0	0	0	0	0	0	4
GEORGETOWN	0	11	76	73	43	30	3	2	1	45	27	18	1	1	0	1	1	0	31
GILL	0	3	16	14	9	5	2	1	1	13	7	6	0	0	0	0	0	0	3
GLOUCESTER	346	306	416	398	200	198	18	9	9	280	136	144	0	0	0	0	0	0	136
GOSHEN	0	1	8	6	3	3	2	2	0	3	1	2	0	0	0	0	0	0	5
GOSNOLD	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	-1
GRAFTON	2	19	154	145	66	79	9	6	3	78	32	46	0	0	0	0	0	0	76
GRANBY	2	3	62	59	23	36	3	1	2	43	22	21	1	0	1	1	0	1	19
GRANVILLE	0	1	21	18	7	11	3	0	3	9	6	3	0	0	0	0	0	0	12
GREAT BARRINGTON	118	191	96	85	45	40	11	6	5	107	44	63	5	3	2	4	2	2	-11
GREENFIELD	877	316	252	233	114	119	19	8	11	224	114	110	5	2	3	4	1	3	28
GROTON	0	8	93	86	54	32	7	4	3	35	16	19	0	0	0	0	0	0	58
GROVELAND	2	1	75	70	39	31	5	0	5	12	7	5	1	0	1	1	0	1	63
HADLEY	0	3	51	45	14	31	6	3	3	22	15	7	0	0	0	0	0	0	29
HALIFAX	0	8	106	101	57	44	5	4	1	42	28	14	0	0	0	0	0	0	64
HAMILTON	0	10	92	91	46	45	1	1	0	37	21	16	0	0	0	0	0	0	55
HAMPDEN	0	17	64	63	31	32	1	0	1	33	18	15	0	0	0	0	0	0	31

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1983

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS ********									RESIDENT NATURAL INCREASE
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
HANCOCK	0	0	3	3	1	2	0	0	0	3	1	2	0	0	0	0	0	0	0
HANOVER	3	13	151	140	64	76	11	3	8	78	41	37	3	2	1	2	1	1	73
HANSON	0	35	132	128	65	63	4	3	1	50	26	24	3	2	1	2	2	0	82
HARDWICK	0	1	23	23	15	8	0	0	0	20	12	8	1	1	0	1	1	0	3
HARVARD	3	20	59	57	29	28	2	1	1	28	18	10	1	0	1	0	0	0	31
HARWICH	0	30	87	79	35	44	8	4	4	126	67	59	1	1	0	1	1	0	-39
HATFIELD	1	3	40	38	22	16	2	1	1	22	14	8	0	0	0	0	0	0	18
HAVERHILL	518	644	729	692	338	354	37	20	17	556	260	296	16	7	9	8	3	5	173
HAWLEY	0	1	3	3	1	2	0	0	0	2	0	2	0	0	0	0	0	0	1
HEATH	1	3	10	10	3	7	0	0	0	7	3	4	0	0	0	0	0	0	3
HINGHAM	1	57	192	187	94	93	5	2	3	154	68	86	0	0	0	0	0	0	38
HINSDALE	0	13	24	24	14	10	0	0	0	26	12	14	0	0	0	0	0	0	-2
HOLBROOK	1	11	136	130	68	62	6	2	4	88	51	37	1	0	1	1	0	1	48
HOLDEN	1	165	139	128	66	62	11	4	7	118	46	72	1	1	0	1	1	0	21
HOLLAND	0	2	26	24	17	7	2	1	1	10	6	4	0	0	0	0	0	0	16
HOLLISTON	2	7	193	187	104	83	6	3	3	57	36	21	1	0	1	0	0	0	136
HOLYOKE	1124	1035	723	663	323	340	60	28	32	589	293	296	10	5	5	9	4	5	134
HOPEDALE	0	18	40	39	17	22	1	0	1	49	31	18	0	0	0	0	0	0	-9
HOPKINTON	0	5	124	121	63	58	3	1	2	45	25	20	1	1	0	1	1	0	79
HUBBARDSTON	1	4	31	27	16	11	4	3	1	9	6	3	1	0	1	1	0	1	22
HUDSON	0	15	250	239	127	112	11	4	7	133	66	67	4	1	3	3	1	2	117
HULL	1	24	139	133	77	56	6	4	2	80	39	41	0	0	0	0	0	0	59
HUNTINGTON	0	2	28	25	11	14	3	1	2	11	4	7	0	0	0	0	0	0	17
IPSWICH	0	48	154	149	72	77	5	2	3	100	40	60	1	0	1	0	0	0	54

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1983

	OCCURRENCE		*** R E S I D E N T B I R T H S *******						********** R E S I D E N T D E A T H S ********									RESIDENT NATURAL INCREASE
			BIRTH	---M A T U R E----			I M M A T U R E*			----ALL DEATHS----			----INFANT----			---NEONATAL--		
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML*	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
MARION	0	8	45	42	23	19	3	0	3	36	20	16	1	0	1	1	0	1	9
MARLBOROUGH	2	328	452	429	223	206	23	9	14	250	116	134	5	4	1	2	1	1	202
MARSHFIELD	2	27	304	289	159	130	15	7	8	127	78	49	0	0	0	0	0	0	177
MASHPEE	0	28	60	55	31	24	5	2	3	49	26	23	1	0	1	1	0	1	11
MATTAPOISETT	0	20	65	61	32	29	4	3	1	44	20	24	0	0	0	0	0	0	21
MAYNARD	0	12	139	132	71	61	7	4	3	79	50	29	2	1	1	1	1	0	60
MEDFIELD	0	12	123	118	57	61	5	2	3	54	25	29	0	0	0	0	0	0	69
MEDFORD	4	349	678	654	329	325	24	12	12	622	317	305	3	2	1	1	1	0	56
MEDWAY	0	11	125	117	62	55	8	4	4	55	35	20	1	1	0	1	1	0	70
MELROSE	1413	415	376	357	197	160	19	6	13	286	118	168	1	1	0	1	1	0	90
MENDON	2	3	41	39	17	22	2	2	0	23	10	13	1	1	0	1	1	0	18
MERRIMAC	0	0	64	61	30	31	3	2	1	43	27	16	2	1	1	2	1	1	21
METHUEN	1275	586	462	436	229	207	26	8	18	373	173	200	4	2	2	3	1	2	89
MIDDLEBOROUGH	1	227	256	242	146	96	14	9	5	180	97	83	3	3	0	2	2	0	76
MIDDLEFIELD	0	2	4	4	3	1	0	0	0	3	2	1	0	0	0	0	0	0	1
MIDDLETON	0	3	59	52	26	26	7	6	1	35	18	17	1	1	0	1	1	0	24
MILFORD	418	283	323	304	153	151	19	14	5	199	116	83	5	3	2	3	1	2	124
MILLBURY	0	20	150	142	78	64	8	5	3	112	53	59	0	0	0	0	0	0	38
MILLIS	0	8	120	114	63	51	6	4	2	45	23	22	1	0	1	0	0	0	75
MILLVILLE	0	0	13	10	4	6	3	2	1	12	7	5	0	0	0	0	0	0	1
MILTON	0	298	257	246	125	121	11	8	3	290	135	155	2	1	1	2	1	1	-33
MONROE	0	0	1	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0
MONSON	2	12	77	72	37	35	5	2	3	61	34	27	0	0	0	0	0	0	16
MONTAGUE	2	129	114	106	48	58	8	6	2	106	55	51	1	0	1	0	0	0	8

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1983

	OCCURRENCE		*** R E S I D E N T B I R T H S *******							********** R E S I D E N T D E A T H S ********									RESIDENT NATURAL INCREASE
			BIRTH	---M A T U R E----			I M M A T U R E*			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML*	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
KINGSTON	0	11	103	97	53	44	6	3	3	57	30	27	1	0	1	1	0	1	46
LAKEVILLE	0	36	86	83	43	40	3	2	1	68	37	31	1	0	1	1	0	1	18
LANCASTER	0	23	86	82	40	42	4	2	2	36	20	16	0	0	0	0	0	0	50
LANESBOROUGH	0	4	36	34	16	18	2	0	2	20	15	5	0	0	0	0	0	0	16
LAWRENCE	1471	742	1328	1245	645	600	83	39	44	716	350	366	9	5	4	8	5	3	612
LEE	0	26	76	76	36	40	0	0	0	61	29	32	0	0	0	0	0	0	15
LEICESTER	1	17	115	101	51	50	14	9	5	72	35	37	2	1	1	0	0	0	43
LENOX	1	75	72	66	37	29	6	4	2	87	30	57	0	0	0	0	0	0	-15
LEOMINSTER	1101	298	555	519	273	246	36	16	20	307	169	138	6	5	1	3	2	1	248
LEVERETT	2	2	18	17	11	6	1	0	1	7	2	5	0	0	0	0	0	0	11
LEXINGTON	1	125	222	216	116	100	6	5	1	238	114	124	0	0	0	0	0	0	-16
LEYDEN	0	1	12	12	4	8	0	0	0	3	2	1	0	0	0	0	0	0	9
LINCOLN	1	8	47	44	19	25	3	0	3	34	15	19	0	0	0	0	0	0	13
LITTLETON	0	25	99	95	40	55	4	2	2	63	29	34	1	0	1	1	0	1	36
LONGMEADOW	0	73	123	117	59	58	6	4	2	150	76	74	2	2	0	2	2	0	-27
LOWELL	2418	1360	1578	1493	762	731	85	43	42	997	466	531	17	11	6	12	8	4	581
LUDLOW	1	164	174	167	89	78	7	2	5	163	88	75	3	2	1	3	2	1	11
LUNENBURG	0	10	92	89	42	47	3	1	2	51	33	18	0	0	0	0	0	0	41
LYNN	1108	1001	1262	1196	593	603	66	29	37	917	454	463	12	7	5	8	4	4	345
LYNNFIELD	1	11	98	97	47	50	1	1	0	78	42	36	0	0	0	0	0	0	20
MALDEN	1418	509	729	678	338	340	51	22	29	595	281	314	8	4	4	6	2	4	134
MANCHESTER	1	12	59	59	25	34	0	0	0	46	25	21	1	0	1	0	0	0	13
MANSFIELD	0	15	202	185	91	94	17	9	8	64	27	37	2	0	2	1	0	1	138
MARBLEHEAD	1	92	202	196	95	101	6	3	3	165	73	92	2	1	1	1	1	0	37

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1983

	OCCURRENCE		RESIDENT BIRTHS							RESIDENT DEATHS									RESIDENT NATURAL INCREASE
			BIRTH	MATURE			IMMATURE			ALL DEATHS			INFANT			NEONATAL			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
MONTERY	0	2	13	13	4	9	0	0	0	10	5	5	0	0	0	0	0	0	3
MONTGOMERY	0	1	4	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4
MOUNT WASHINGTON	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	-1
NAHANT	0	15	45	39	19	20	6	3	3	42	16	26	1	1	0	1	1	0	3
NANTUCKET	80	59	85	80	42	38	5	4	1	64	31	33	3	3	0	2	2	0	21
NATICK	644	348	386	366	183	183	20	13	7	249	120	129	6	4	2	5	3	2	137
NEEDHAM	3	222	258	249	132	117	9	6	3	252	111	141	5	3	2	5	3	2	6
NEW ASHFORD	0	0	4	4	0	4	0	0	0	3	2	1	0	0	0	0	0	0	1
NEW BEDFORD	1983	1383	1429	1328	694	634	101	55	46	1187	603	584	16	10	6	12	8	4	242
NEW BRAINTREE	0	0	9	7	2	5	2	0	2	3	2	1	0	0	0	0	0	0	6
NEW MARLBOROUGH	0	4	10	9	4	5	1	1	0	11	5	6	1	1	0	1	1	0	-1
NEW SALEM	1	1	12	11	4	7	1	0	1	4	2	2	0	0	0	0	0	0	8
NEWBURY	6	5	83	77	41	36	6	4	2	33	21	12	1	1	0	1	1	0	50
NEWBURYPORT	725	307	235	223	126	97	12	9	3	191	77	114	2	1	1	1	1	0	44
NEWTON	1920	676	875	835	441	394	40	15	25	687	334	353	9	3	6	5	1	4	188
NORFOLK	0	151	110	107	58	49	3	1	2	28	18	10	0	0	0	0	0	0	82
NORTH ADAMS	376	341	204	190	103	87	14	8	6	208	110	98	2	0	2	2	0	2	-4
NORTH ANDOVER	0	76	223	207	111	96	16	7	9	181	85	96	3	2	1	1	1	0	42
NORTH ATTLEBORO	0	60	305	291	153	138	14	10	4	161	67	94	1	1	0	0	0	0	144
NORTH BROOKFIELD	1	9	72	71	38	33	1	1	0	36	24	12	0	0	0	0	0	0	36
NORTH READING	0	25	169	162	77	85	7	4	3	71	40	31	1	1	0	1	1	0	98
NORTHAMPTON	1192	586	264	246	146	100	18	12	6	300	141	159	1	1	0	1	1	0	-36
NORTHBOROUGH	0	31	160	152	75	77	8	3	5	63	30	33	2	0	2	2	0	2	97
NORTHBRIDGE	2	103	178	166	88	78	12	9	3	108	60	48	3	2	1	2	2	0	70

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1983

	OCCURRENCE		*** RESIDENT BIRTHS ******* BIRTH	---MATURE----			IMMATURE*			********** RESIDENT DEATHS ******** ----ALL DEATHS----			----INFANT----			---NEONATAL--			RESIDENT NATURAL
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	INCREASE
NORTHFIELD	1	3	31	27	18	9	4	2	2	18	9	9	0	0	0	0	0	0	13
NORTON	0	32	202	187	88	99	15	7	8	89	51	38	2	0	2	2	0	2	113
NORWELL	1	28	87	85	42	43	2	0	2	51	29	22	0	0	0	0	0	0	36
NORWOOD	848	589	350	329	175	154	21	16	5	280	130	150	2	1	1	2	1	1	70
OAK BLUFFS	129	77	31	29	14	15	2	0	2	29	13	16	0	0	0	0	0	0	2
OAKHAM	0	0	21	21	8	13	0	0	0	7	2	5	0	0	0	0	0	0	14
ORANGE	1	12	96	89	40	49	7	4	3	68	38	30	1	1	0	0	0	0	28
ORLEANS	1	36	33	32	18	14	1	0	1	93	41	52	0	0	0	0	0	0	-60
OTIS	0	0	14	11	11	0	3	3	0	7	4	3	0	0	0	0	0	0	7
OXFORD	0	27	153	140	62	78	13	3	10	68	38	30	0	0	0	0	0	0	85
PALMER	2	108	188	172	92	80	16	9	7	121	60	61	2	2	0	2	2	0	67
PAXTON	0	1	31	30	16	14	1	0	1	21	14	7	0	0	0	0	0	0	10
PEABODY	1	252	530	502	266	236	28	14	14	388	201	187	4	4	0	4	4	0	142
PELHAM	1	2	9	9	4	5	0	0	0	6	3	3	0	0	0	0	0	0	3
PEMBROKE	0	14	203	196	107	89	7	4	3	63	30	33	0	0	0	0	0	0	140
PEPPERELL	2	8	156	152	86	66	4	0	4	49	29	20	3	3	0	1	1	0	107
PERU	0	0	7	7	3	4	0	0	0	6	1	5	0	0	0	0	0	0	1
PETERSHAM	1	0	13	13	6	7	0	0	0	6	3	3	0	0	0	0	0	0	7
PHILLIPSTON	0	3	9	8	5	3	1	0	1	8	8	0	0	0	0	0	0	0	1
PITTSFIELD	1514	754	682	634	341	293	48	25	23	516	271	245	6	3	3	3	2	1	166
PLAINFIELD	1	1	8	7	2	5	1	0	1	4	4	0	0	0	0	0	0	0	4
PLAINVILLE	0	7	98	94	55	39	4	3	1	64	31	33	0	0	0	0	0	0	34
PLYMOUTH	673	463	558	529	257	272	29	15	14	349	171	178	6	3	3	4	2	2	209
PLYMPTON	0	2	42	39	21	18	3	1	2	9	4	5	0	0	0	0	0	0	33

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1983

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS ********									RESIDENT NATURAL INCREASE
			BIRTH	---MATURE----			IMMATURE*			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML*	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
PRINCETON	0	1	40	39	19	20	1	0	1	14	5	9	1	1	0	0	0	0	26
PROVINCETOWN	0	32	29	26	10	16	3	1	2	46	21	25	0	0	0	0	0	0	-17
QUINCY	877	806	1037	978	506	472	59	26	33	915	452	463	8	4	4	6	4	2	122
RANDOLPH	1	56	313	293	154	139	20	9	11	250	124	126	4	3	1	2	2	0	63
RAYNHAM	0	18	98	93	51	42	5	2	3	51	29	22	0	0	0	0	0	0	47
READING	0	42	257	250	122	128	7	3	4	169	70	99	0	0	0	0	0	0	88
REHOBOTH	1	9	89	84	50	34	5	2	3	50	23	27	1	1	0	1	1	0	39
REVERE	0	146	478	456	240	216	22	8	14	436	225	211	4	2	2	4	2	2	42
RICHMOND	0	2	22	22	12	10	0	0	0	15	12	3	0	0	0	0	0	0	7
ROCHESTER	0	1	41	40	18	22	1	1	0	21	9	12	1	1	0	1	1	0	20
ROCKLAND	1	101	281	268	149	119	13	6	7	151	73	78	3	1	2	1	1	0	130
ROCKPORT	0	29	83	78	44	34	5	3	2	85	37	48	0	0	0	0	0	0	-2
ROWE	0	0	4	4	1	3	0	0	0	2	1	1	0	0	0	0	0	0	2
ROWLEY	0	6	69	65	23	42	4	1	3	28	16	12	0	0	0	0	0	0	41
ROYALSTON	0	1	11	11	7	4	0	0	0	8	7	1	0	0	0	0	0	0	3
RUSSELL	0	5	15	15	9	6	0	0	0	16	8	8	0	0	0	0	0	0	-1
RUTLAND	0	20	54	54	25	29	0	0	0	25	13	12	0	0	0	0	0	0	29
SALEM	1207	649	495	467	244	223	28	11	17	430	212	218	3	3	0	1	1	0	65
SALISBURY	1	34	71	68	38	30	3	1	2	60	32	28	1	1	0	1	1	0	11
SANDISFIELD	0	12	7	7	3	4	0	0	0	11	7	4	0	0	0	0	0	0	-4
SANDWICH	0	15	125	118	56	62	7	2	5	72	47	25	1	0	1	0	0	0	53
SAUGUS	0	82	277	265	136	129	12	4	8	236	129	107	4	1	3	2	0	2	41
SAVOY	0	0	4	4	3	1	0	0	0	6	5	1	0	0	0	0	0	0	-2
SCITUATE	1	49	201	185	97	88	16	4	12	144	51	93	1	1	0	1	1	0	57

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1983

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS ********									RESIDENT NATURAL INCREASE
			BIRTH	---MATURE----			IMMATURE*			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML*	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
SEEKONK	1	8	114	110	50	60	4	4	0	80	42	38	0	0	0	0	0	0	34
SHARON	2	32	186	171	78	93	15	9	6	75	40	35	2	1	1	2	1	1	111
SHEFFIELD	2	8	40	40	23	17	0	0	0	22	9	13	0	0	0	0	0	0	18
SHELBURNE	0	15	30	30	18	12	0	0	0	29	13	16	1	1	0	0	0	0	1
SHERBORN	0	1	51	50	26	24	1	0	1	16	11	5	0	0	0	0	0	0	35
SHIRLEY	1	5	70	63	37	26	7	4	3	34	19	15	0	0	0	0	0	0	36
SHREWSBURY	3	71	253	241	114	127	12	5	7	202	101	101	7	2	5	4	2	2	51
SHUTESBURY	0	1	24	23	9	14	1	1	0	7	5	2	0	0	0	0	0	0	17
SOMERSET	0	37	134	127	63	64	7	3	4	159	91	68	1	0	1	0	0	0	-25
SOMERVILLE	6	457	955	906	455	451	49	25	24	832	414	418	9	2	7	8	2	6	123
SOUTH HADLEY	1	26	139	133	74	59	6	2	4	139	67	72	0	0	0	0	0	0	0
SOUTHAMPTON	1	10	56	50	24	26	6	0	6	21	14	7	0	0	0	0	0	0	35
SOUTHBOROUGH	0	7	85	83	42	41	2	2	0	36	18	18	0	0	0	0	0	0	49
SOUTHBRIDGE	511	230	249	228	123	105	21	13	8	153	59	94	1	1	0	0	0	0	96
SOUTHWICK	1	6	115	104	55	49	11	6	5	43	27	16	4	4	0	3	3	0	72
SPENCER	1	24	175	163	80	83	12	7	5	86	48	38	1	0	1	0	0	0	89
SPRINGFIELD	5432	2342	2487	2265	1108	1157	222	99	123	1536	746	790	30	19	11	21	13	8	951
STERLING	0	6	62	59	29	30	3	0	3	33	16	17	0	0	0	0	0	0	29
STOCKBRIDGE	0	10	21	20	11	9	1	1	0	22	9	13	0	0	0	0	0	0	-1
STONEHAM	1050	333	242	230	111	119	12	5	7	227	114	113	1	0	1	1	0	1	15
STOUGHTON	2296	481	319	304	156	148	15	8	7	229	116	113	3	2	1	3	2	1	90
STOW	1	5	72	69	44	25	3	2	1	25	14	11	0	0	0	0	0	0	47
STURBRIDGE	0	10	91	87	43	44	4	3	1	49	27	22	0	0	0	0	0	0	42
SUDBURY	0	36	157	148	80	68	9	4	5	66	31	35	0	0	0	0	0	0	91

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1983

	OCCURRENCE		*** RESIDENT BIRTHS *******							********** RESIDENT DEATHS ********									RESIDENT NATURAL INCREASE
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
SUNDERLAND	0	15	42	42	26	16	0	0	0	13	7	6	0	0	0	0	0	0	29
SUTTON	0	5	77	72	40	32	5	2	3	28	15	13	0	0	0	0	0	0	49
SWAMPSCOTT	0	42	144	137	67	70	7	2	5	165	73	92	0	0	0	0	0	0	-21
SWANSEA	0	43	164	155	85	70	9	5	4	135	73	62	2	2	0	2	2	0	29
TAUNTON	640	430	678	638	328	310	40	21	19	440	229	211	4	3	1	2	2	0	238
TEMPLETON	3	13	82	80	43	37	2	1	1	48	28	20	0	0	0	0	0	0	34
TEWKSBURY	0	242	295	284	162	122	11	3	8	166	86	80	0	0	0	0	0	0	129
TISBURY	0	8	47	44	20	24	3	1	2	37	18	19	1	1	0	1	1	0	10
TOLLAND	0	0	3	2	0	2	1	1	0	0	0	0	0	0	0	0	0	0	3
TOPSFIELD	0	4	53	52	22	30	1	0	1	31	19	12	0	0	0	0	0	0	22
TOWNSEND	2	9	163	153	79	74	10	6	4	33	23	10	1	1	0	0	0	0	130
TRURO	1	9	20	18	7	11	2	2	0	17	7	10	0	0	0	0	0	0	3
TYNGSBOROUGH	0	6	132	127	64	63	5	1	4	37	22	15	1	0	1	0	0	0	95
TRYINGHAM	0	2	1	1	1	0	0	0	0	4	1	3	0	0	0	0	0	0	-3
UPTON	0	10	54	52	31	21	2	1	1	42	18	24	1	1	0	0	0	0	12
UXBRIDGE	1	15	112	102	59	43	10	2	8	71	39	32	0	0	0	0	0	0	41
WAKEFIELD	1	95	321	304	171	133	17	11	6	243	112	131	2	2	0	1	1	0	78
WALES	0	3	26	26	10	16	0	0	0	11	8	3	0	0	0	0	0	0	15
WALPOLE	0	23	197	186	86	100	11	5	6	139	65	74	1	1	0	1	1	0	58
WALTHAM	842	553	645	615	321	294	30	19	11	490	233	257	7	5	2	4	2	2	155
WARE	281	115	118	113	54	59	5	1	4	100	57	43	1	0	1	1	0	1	18
WAREHAM	261	235	245	239	115	124	6	2	4	193	110	83	1	0	1	1	0	1	52
WARREN	0	3	51	51	24	27	0	0	0	29	13	16	0	0	0	0	0	0	22
WARWICK	1	0	10	9	5	4	1	1	0	5	1	4	0	0	0	0	0	0	5

TABLE A-5A

BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

1983

	OCCURRENCE		*** R E S I D E N T B I R T H S *******							********** R E S I D E N T D E A T H S ********									RESIDENT NATURAL INCREASE
			BIRTH	---M A T U R E----			I M M A T U R E			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
WASHINGTON	0	6	4	4	3	1	0	0	0	8	3	5	0	0	0	0	0	0	-4
WATERTOWN	4	109	390	372	182	190	18	10	8	369	185	184	3	2	1	3	2	1	21
WAYLAND	2	35	145	142	77	65	3	2	1	88	40	48	1	0	1	0	0	0	57
WEBSTER	1	188	207	191	96	95	16	7	9	186	90	96	4	2	2	3	1	2	21
WELLESLEY	6	120	231	220	103	117	11	4	7	223	109	114	0	0	0	0	0	0	8
WELLFLEET	1	8	24	24	17	7	0	0	0	20	7	13	0	0	0	0	0	0	4
WENDELL	0	0	9	9	5	4	0	0	0	6	2	4	0	0	0	0	0	0	3
WENHAM	0	4	35	34	15	19	1	0	1	24	9	15	1	0	1	1	0	1	11
WEST BOYLSTON	0	16	45	39	21	18	6	3	3	59	35	24	0	0	0	0	0	0	-14
WEST BRIDGEWATER	0	7	66	63	35	28	3	2	1	56	36	20	0	0	0	0	0	0	10
WEST BROOKFIELD	0	35	33	33	17	16	0	0	0	18	8	10	0	0	0	0	0	0	15
WEST NEWBURY	0	1	44	44	25	19	0	0	0	16	7	9	0	0	0	0	0	0	28
WEST SPRINGFIELD	1	101	316	302	150	152	14	6	8	282	140	142	1	1	0	0	0	0	34
WEST STOCKBRIDGE	0	0	13	13	6	7	0	0	0	8	7	1	0	0	0	0	0	0	5
WEST TISBURY	0	2	19	19	13	6	0	0	0	7	5	2	0	0	0	0	0	0	12
WESTBOROUGH	2	39	169	162	76	86	7	3	4	91	37	54	0	0	0	0	0	0	78
WESTFIELD	1	466	482	459	237	222	23	7	16	327	163	164	3	3	0	1	1	0	155
WESTFORD	0	18	181	174	84	90	7	4	3	68	35	33	1	1	0	1	1	0	113
WESTHAMPTON	0	1	21	21	13	8	0	0	0	4	4	0	0	0	0	0	0	0	17
WESTMINSTER	0	6	72	70	37	33	2	1	1	39	23	16	0	0	0	0	0	0	33
WESTON	1	31	84	81	42	39	3	2	1	103	56	47	0	0	0	0	0	0	-19
WESTPORT	1	22	133	129	66	63	4	2	2	86	55	31	1	0	1	1	0	1	47
WESTWOOD	1	21	137	134	64	70	3	1	2	108	48	60	0	0	0	0	0	0	29
WEYMOUTH	1979	800	685	645	329	316	40	18	22	501	243	258	7	4	3	4	2	2	184

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1983

	OCCURRENCE		*** R E S I D E N T B I R T H S *******							********** R E S I D E N T D E A T H S ********									RESIDENT NATURAL INCREASE
			BIRTH	---M A T U R E----			I M M A T U R E			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
WHATELY	1	0	23	23	12	11	0	0	0	13	5	8	0	0	0	0	0	0	10
WHITMAN	1	21	210	197	103	94	13	4	9	97	48	49	1	0	1	0	0	0	113
WILBRAHAM	0	10	108	104	46	58	4	2	2	71	33	38	0	0	0	0	0	0	37
WILLIAMSBURG	1	0	32	30	11	19	2	2	0	17	11	6	0	0	0	0	0	0	15
WILLIAMSTOWN	0	58	69	69	37	32	0	0	0	72	32	40	1	1	0	0	0	0	-3
WILMINGTON	3	47	228	217	116	101	11	4	7	105	64	41	1	1	0	1	1	0	123
WINCHENDON	1	24	118	112	59	53	6	4	2	66	40	26	3	3	0	2	2	0	52
WINCHESTER	1493	324	218	214	105	109	4	3	1	191	77	114	2	2	0	1	1	0	27
WINDSOR	0	1	9	8	6	2	1	0	1	1	1	0	0	0	0	0	0	0	8
WINTHROP	1	221	185	173	84	89	12	7	5	241	119	122	3	3	0	3	3	0	-56
WOBURN	2	261	480	453	263	190	27	16	11	247	129	118	6	3	3	5	2	3	233
WORCESTER	5505	3252	2329	2156	1086	1070	173	71	102	2034	976	1058	26	10	16	16	5	11	295
WORTHINGTON	2	0	21	20	11	9	1	1	0	5	2	3	0	0	0	0	0	0	16
WRENTHAM	1	51	113	103	45	58	10	3	7	77	38	39	0	0	0	0	0	0	36
YARMOUTH	1	94	194	186	106	80	8	5	3	298	164	134	0	0	0	0	0	0	-104
STATE TOTAL	77737	54742	76031	71495	36648	34847	4536	2210	2326	54150	26893	27257	682	401	281	482	275	207	21881

TOTAL RESIDENT MALE BIRTHS INCLUDE 1 BIRTHS OF UNKNOWN SEX

TOTAL RESIDENT MALE DEATHS INCLUDE 2 DEATHS OF UNKNOWN SEX

TABLE A-5B
BIRTHS AND DEATHS BY COUNTY OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1983

	OCCURRENCE		*** RESIDENT BIRTHS *******							*********** RESIDENT DEATHS ********									RESIDENT NATURAL INCREASE
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			
COUNTY	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
BARNSTABLE	1541	1768	1886	1776	912	864	110	48	62	1861	955	906	9	5	4	8	5	3	25
BERKSHIRE	2013	1569	1749	1652	876	776	97	56	41	1503	746	757	15	8	7	10	5	5	246
BRISTOL	5557	4332	6232	5878	3062	2816	354	187	167	4676	2384	2292	53	30	23	36	19	17	1556
DUKES	131	101	142	133	69	64	9	3	6	110	57	53	2	2	0	1	1	0	32
ESSEX	8450	6044	8909	8442	4281	4161	467	218	249	6276	3024	3252	79	47	32	51	31	20	2633
FRANKLIN	891	538	904	847	423	424	57	29	28	641	335	306	8	4	4	4	1	3	263
HAMPDEN	6567	4670	6128	5684	2823	2861	444	210	234	4400	2198	2202	66	47	19	49	35	14	1728
HAMPSHIRE	1492	844	1441	1360	699	661	81	41	40	1043	545	498	6	4	2	6	4	2	398
MIDDLESEX	16256	11090	17266	16398	8435	7963	868	439	429	11822	5810	6012	143	84	59	103	56	47	5444
NANTUCKET	80	59	85	80	42	38	5	4	1	64	31	33	3	3	0	2	2	0	21
NORFOLK	6029	4468	7000	6623	3385	3238	377	181	196	5421	2605	2816	60	32	28	52	29	23	1579
PLYMOUTH	2160	2981	6027	5706	2987	2719	321	145	176	3415	1737	1678	51	26	25	33	16	17	2612
SUFFOLK	17884	10053	9376	8576	4409	4167	800	398	402	6764	3382	3382	107	66	41	79	47	32	2612
WORCESTER	8686	6225	8886	8340	4245	4095	546	251	295	6154	3084	3070	80	43	37	48	24	24	2732
STATE TOTAL	77737	54742	76031	71495	36648	34847	4536	2210	2326	54150	26893	27257	682	401	281	482	275	207	21881

TOTAL RESIDENT MALE BIRTHS INCLUDE 1 BIRTHS OF UNKNOWN SEX

TOTAL RESIDENT MALE DEATHS INCLUDE 2 DEATHS OF UNKNOWN SEX

TABLE A-5C
BIRTHS AND DEATHS BY HSA OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1983

	OCCURRENCE		*** RESIDENT BIRTHS *******							*********** RESIDENT DEATHS ********									RESIDENT NATURAL INCREASE
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			
HSA AND SUBAREA	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
BERKSHIRE	2013	1571	1754	1657	879	778	97	56	41	1507	749	758	15	8	7	10	5	5	247
NORTHERN VALLEY	2098	1363	2053	1924	992	932	129	65	64	1467	774	693	12	8	4	8	5	3	586
SOUTHERN VALLEY	6853	4828	6569	6106	3023	3083	463	216	247	4740	2364	2376	68	47	21	51	35	16	1829
I WESTERN MASS	10964	7762	10376	9687	4894	4793	689	337	352	7714	3887	3827	95	63	32	69	45	24	2662
NORTH	2240	1506	3331	3163	1654	1509	168	79	89	1795	947	848	26	19	7	15	10	5	1536
CENTRAL	5511	3620	3113	2885	1451	1434	228	95	133	2663	1288	1375	36	14	22	21	8	13	450
SOUTH	944	1130	3274	3077	1561	1516	197	105	92	1846	954	892	23	15	8	14	8	6	1428
II CENTRAL MASS	8695	6256	9718	9125	4666	4459	593	279	314	6304	3189	3115	85	48	37	50	26	24	3414
GREATER LOWELL	2421	1782	3389	3217	1666	1551	172	86	86	1852	926	926	35	23	12	26	17	9	1537
GREATER LAWRENCE	2747	1450	2289	2150	1115	1035	139	59	80	1445	685	760	17	10	7	12	7	5	844
GTR HAVER-NEWBPRT	1257	1192	1775	1686	866	820	89	47	42	1172	551	621	27	14	13	18	10	8	603
III MERRIMACK	6425	4424	7453	7053	3647	3406	400	192	208	4469	2162	2307	79	47	32	56	34	22	2984
METRO CENTRAL	17886	10262	9909	9080	4684	4396	829	407	422	7341	3637	3704	119	70	49	91	51	40	2568
METRO NORTHWEST	4619	4001	5129	4855	2455	2400	274	151	123	3934	1910	2024	40	22	18	33	17	16	1195
METRO WEST	5333	3366	5622	5368	2751	2617	254	123	131	3888	1891	1997	50	26	24	35	17	18	1734
METRO SOUTHWEST	855	1028	1997	1891	948	943	106	52	54	1304	626	678	10	5	5	9	5	4	693
METRO SOUTH	2865	2496	3494	3300	1709	1591	194	93	101	2908	1389	1519	29	18	11	22	15	7	586
IV METRO	31558	21153	26151	24494	12547	11947	1657	826	831	19375	9453	9922	248	141	107	190	105	85	6776

TABLE A-5C
BIRTHS AND DEATHS BY HSA OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1983

HSA AND SUBAREA	OCCURRENCE		*** RESIDENT BIRTHS *******							*********** RESIDENT DEATHS ********									RESIDENT NATURAL INCREASE
			BIRTH	---MATURE----			IMMATURE			----ALL DEATHS----			----INFANT----			---NEONATAL--			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
ATTLEBORO	993	631	1296	1229	648	581	67	37	30	713	355	358	9	5	4	4	1	3	583
BROCKTON	3510	2122	3105	2919	1529	1390	186	86	100	1756	880	876	29	13	16	18	6	12	1349
PLYMOUTH	681	688	2169	2058	1077	981	111	52	59	1045	551	494	18	10	8	12	8	4	1124
TAUNTON-MIDDLEBORO	643	744	1397	1322	700	622	75	44	31	935	495	440	10	8	2	7	6	1	462
FALL RIVER	1937	1588	1844	1751	909	842	93	42	51	1514	766	748	16	8	8	12	5	7	330
NEW BEDFORD	1984	1638	2059	1926	1002	924	133	72	61	1823	936	887	23	13	10	17	10	7	236
CAPE COD	2013	2162	2358	2228	1138	1090	130	57	73	2227	1152	1075	15	10	5	12	8	4	131
V SOUTH SHORE	11761	9573	14228	13433	7003	6430	795	390	405	10013	5135	4878	120	67	53	82	44	38	4215
CAPE ANN	1479	892	1471	1410	704	706	61	33	28	949	442	507	6	3	3	1	0	1	522
DANVERS-SALEM	1858	1359	1548	1462	734	728	86	40	46	1272	632	640	12	11	1	9	9	0	276
GREATER LYNN	1109	1151	1826	1734	862	872	92	39	53	1438	714	724	17	9	8	11	5	6	388
EASTERN MIDDLESEX	2464	910	1365	1303	678	625	62	29	33	996	454	542	5	4	1	4	3	1	369
TRI-CITIES	1424	1262	1895	1794	913	881	101	45	56	1620	825	795	15	8	7	10	4	6	275
VI NORTH SHORE	8334	5574	8105	7703	3891	3812	402	186	216	6275	3067	3208	55	35	20	35	21	14	1330
STATE TOTAL	77737	54742	76031	71495	36648	34847	4536	2210	2326	54150	26893	27257	682	401	281	482	275	207	21881

TOTAL RESIDENT MALE BIRTHS INCLUDE 1 BIRTHS OF UNKNOWN SEX

TOTAL RESIDENT MALE DEATHS INCLUDE 2 DEATHS OF UNKNOWN SEX

NATALITY

SECTION B

NATALITY

The number of births to Massachusetts residents increased 0.4 % in 1983 to 76,031. This continued a six-year rise from a low of 65,947 births in 1976. Of the births registered in Massachusetts in 1983, 99.2% occurred in hospitals. Fifty-eight hospitals operated maternity units during 1983. The number of births varied from a low of 78 at Nantucket Cottage Hospital to 8,197 births at Brigham and Women's Hospital in Boston. The median number of births per hospital was 1,088, slightly lower than the 1982 median of 1,093. Four of the hospitals continued to account for more than 25% of the births occurring in the state. These were Brigham and Women's Hospital (8,197 births), Beth Israel (3,800), and St. Margaret's (3,266) in Boston; and Bay State Medical Center (5,372) in Springfield. The range of births delivered in Massachusetts hospitals included:

NUMBER OF BIRTHS AT HOSPITAL	NUMBER OF HOSPITALS IN CATEGORY	TOTAL NUMBER OF BIRTHS IN CATEGORY	% OF TOTAL BIRTHS
<500	11	3,303	4.3
500-999	15	11,068	14.4
1000-1499	17	20,845	27.0
1500-1999	9	16,386	21.2
≥2000	6	25,512	33.1
	58	77,114	100.0

Although there appears to be a growing interest in home births, such births accounted for only 439 births registered during 1983. It is true that the actual number of home births exceeds this reported figure as there exists a higher possibility of delays in registration for these births. Registration may not occur until the first occasion when the child needs a birth certificate for purposes such as school entrance. Tracking of delayed registrations indicates that about 20% of home births are delayed. Even with this increased number, home births remain considerably less than 1% of total births.

One hundred twenty-seven births occurred at the Pittsfield Birthing Center while 316 births occurred at the birthing center connected with Beverly Hospital and are included with the births reported for that hospital.

Almost 89% of the births to Massachusetts residents were white. This percentage is somewhat smaller than the percentage in the total population of 93.6%. There has been an increasing problem with the response rate to the race item on the birth record. The 1983 non-response rate to this item is 2.2%. We have no indication as to the racial breakdown of the non-respondents. It should be noted, however, that more than half of the non-respondents were at one hospital. Concentrated efforts during the past year have been made to limit this reporting problem for future years.

Births to teenage mothers account for 9.1% of total births. This represents a continuing decline in the actual number of births and percentage of total births (Table B-5). The age-specific fertility rate for teenagers also decreased from 29.7 to 28.5. The overall fertility rate decreased slightly from 1982 to 54.0 and remains well below the U.S. rate of 65.4 (Table B-2).

The proportion of unmarried mothers continued to increase and in 1983 represented 16.8% of total births. Sixty-four percent of teenage mothers were unwed. The information from the birth certificate, however, in no way reflects the living situation of the mothers. The question asks "Is mother married?" Only legal marriages are counted and may significantly undercount mothers involved in types of permanent relationships that do not encompass a legal marriage.

The numeric increase in births from 1982 to 1983 was 282. The difference between 1982 and 1983 by age of mother was distributed as follows:

AGE OF MOTHER	DIFFERENCE	% CHANGE
<20	-442	-6.0
20-24	-1138	-5.5
25-29	+328	+1.2
30-34	+869	+5.3
35-39	+583	+12.8
40-44	+82	+14.9
>44	+1	+4.8

Overall, the percentage of first-born declined slightly to 43.7% from 44.7% in 1982. The percentage of first-born children to women age 35-39 increased slightly from 19.4% to 22%.

Births by cesarean section has been of increasing interest in Massachusetts. Table B-6 presents figures for cesarean births for Massachusetts residents in 1983. Cesareans accounted for 20.1% (15,245) of the total number of births. Although births increased only 0.4% from 1982, there was an increase of 3.9% in the number of cesarean deliveries. When the proportion of cesareans within mother's age group is considered, mothers less than 25 years of age have a lower proportion of cesarean births, mothers 25 to 29 have a proportion close to the average and one birth in four to mothers over 30 are cesarean deliveries. The percentage of non-white births is 9.2%, however, only 6.6% of cesarean births are non-white.

More than 67% of babies born to residents weighed 3000 to 3999 grams (6.5 to 8.75 pounds) as shown in Table B-7. A nearly "normal" distribution of birthweight by sex is shown in Figure B-5 with the average weight for males being somewhat higher than for females by approximately 400 grams. The percentage of births of immature weight (less than 2500 grams or five pounds eight ounces) remained at 5.9% or 4,461 of babies in 1983. Unmarried mothers, while accounting for 16.8% of total births, delivered 27.9% of all babies of immature weight. Teenage mothers overall gave birth to a higher than average percentage of babies of immature weight. Of all births to teenage mothers, 8.4% were of immature weight.

The relationship between education of parents and the birthweight of their infants is graphically illustrated in Figures B-6 and B-7. The "dips" at the ends of both graphs are accounted for by the small numbers for these data points. A more complete presentation of these figures in Table B-8 illustrates that as the education of the mother increases, the birthweight generally increases proportionally. It is unclear, however, whether this is a factor of education or age of the mother due to the disproportionate number of immature weight babies born to teenage mothers.

TABLE B-1
RESIDENT BIRTHS BY SEX AND RACE
1983

RACE	MALE	FEMALE	TOTAL
	n	n	n
	%	%	%
WHITE	34,462	32,928	67,390
	45.3	43.3	88.6
BLACK	2,624	2,545	5,170*
	3.5	3.3	6.8
OTHER	916	872	1,788
	1.2	1.1	2.4
UNKNOWN	855	828	1,683
	1.1	1.1	2.2
TOTAL	38,857	37,173	76,031*
	51.1	48.9	100.0

*TOTAL REFLECTS ONE BIRTH OF UNDETERMINED SEX.

FIGURE B-1

MASSACHUSETTS RESIDENT BIRTHS BY RACE OF INFANT

1970 TO 1983

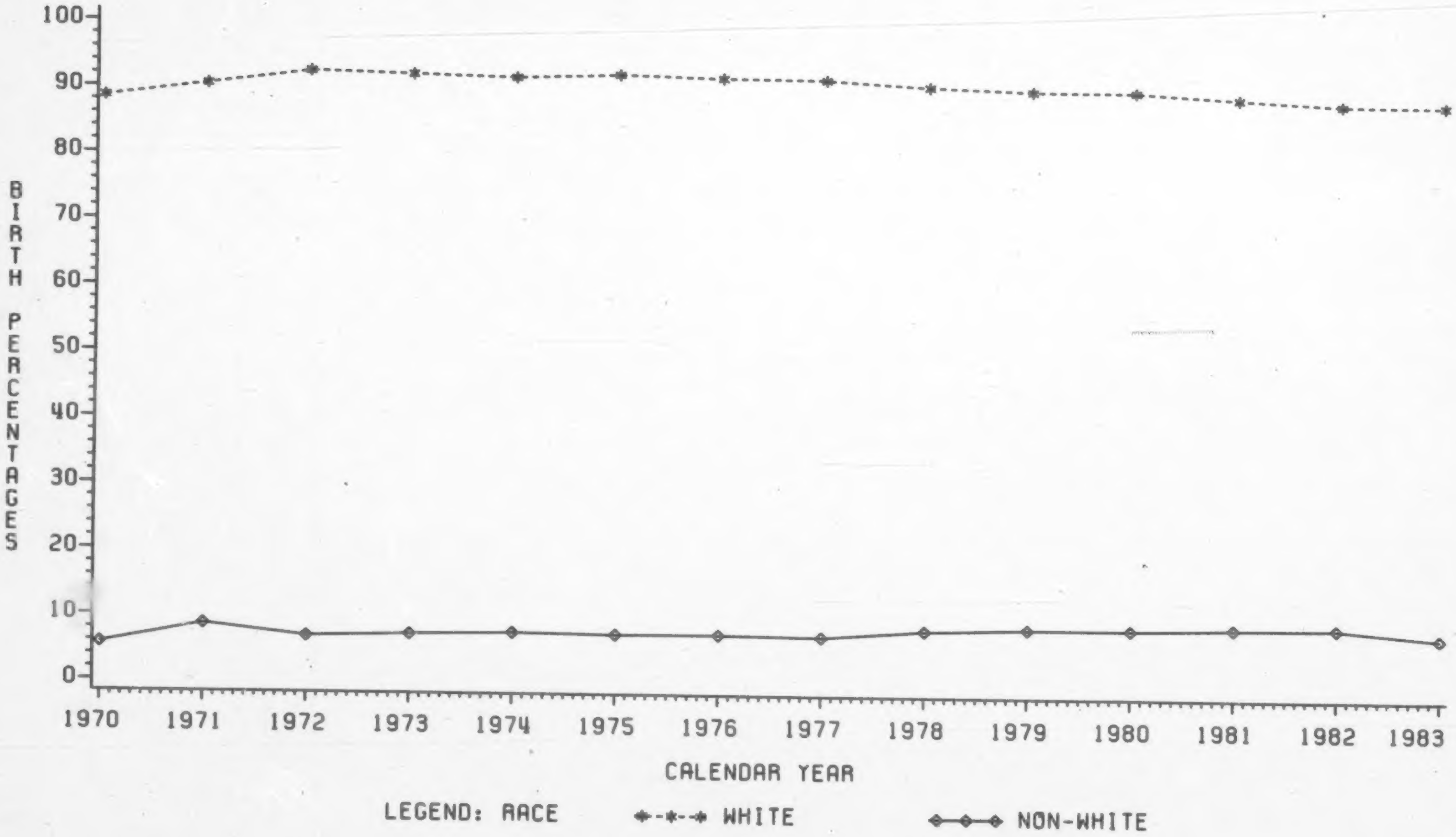


FIGURE B-2

RESIDENT BIRTHS BY RACE

1983

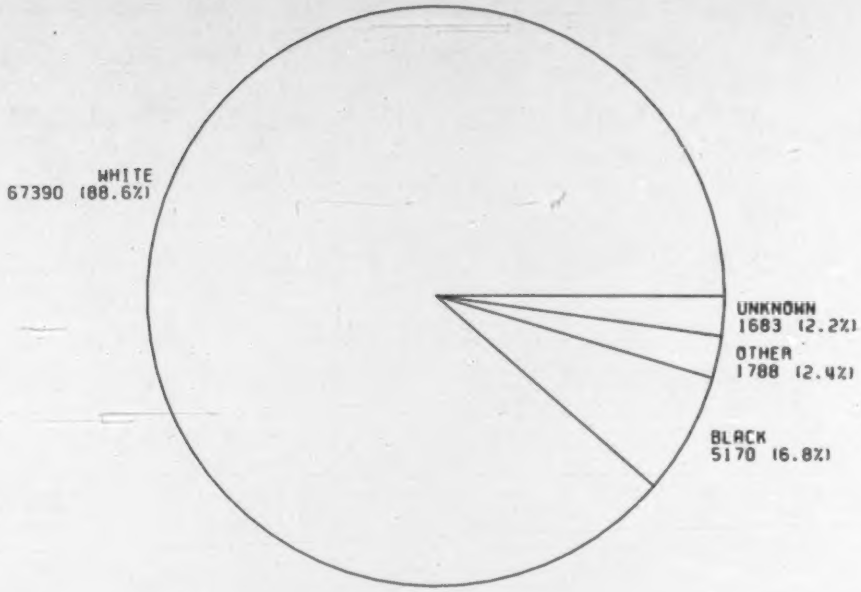


FIGURE B-3

RESIDENT BIRTHS BY AGE OF MOTHER

1983

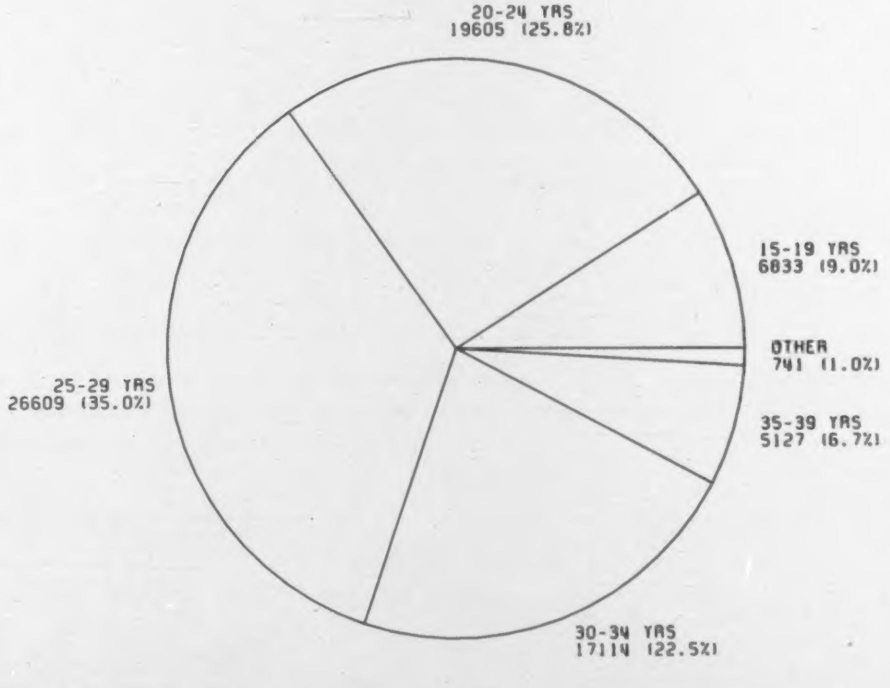


TABLE B-2
AGE-SPECIFIC BIRTH RATES AMONG MASSACHUSETTS WOMEN
1970-1983

AGE OF MOTHER	- 1970 -		- 1980 -		- 1982 -		-1983-	
	Births / 1000	Rate	Births / 1000	Rate	Births / 1000	Rate	Births / 1000	Rate
15-19	10,177 / 259.6	39.1	7,694 / 273.4	28.1	7,263 / 244.4	29.7	6,833 / 239.5	28.5
20-24	33,808 / 246.9	136.9	21,514 / 282.2	76.2	20,743 / 293.8	70.6	19,605 / 272.0	72.1
25-29	29,184 / 188.5	154.8	24,959 / 249.8	99.9	26,281 / 257.4	102.1	26,609 / 268.3	99.2
30-34	12,887 / 150.3	85.7	14,389 / 228.7	62.9	16,245 / 248.9	65.3	17,114 / 241.4	70.9
35-39	5,771 / 151.2	38.2	3,464 / 179.0	19.4	4,544 / 188.0	24.2	5,127 / 215.6	23.8
40-44	1,591 / 170.4	9.3	478 / 143.9	3.3	511 / 149.2	3.4	633 / 169.1	3.7
MASSACHUSETTS GENERAL FERTILITY RATE		80.0		53.5		54.8		54.0
UNITED STATES GENERAL FERTILITY RATE		87.9		67.7		67.8		65.4

NOTE: THE NUMERATOR OF THE BIRTHS PER THOUSAND WOMEN REPRESENTS THE NUMBER OF BIRTHS TO WOMEN IN THAT AGE GROUP. THE DENOMINATOR REPRESENTS THE NUMBER (IN THOUSANDS) OF WOMEN IN THAT AGE GROUP. THE 1982 AND 1983 DENOMINATORS ARE ESTIMATED. UNITED STATES FIGURES ARE DATA FROM THE NATIONAL CENTER FOR HEALTH STATISTICS.

FIGURE B-4

MASSACHUSETTS GENERAL FERTILITY RATES

1930 TO 1983

RATES PER THOUSAND

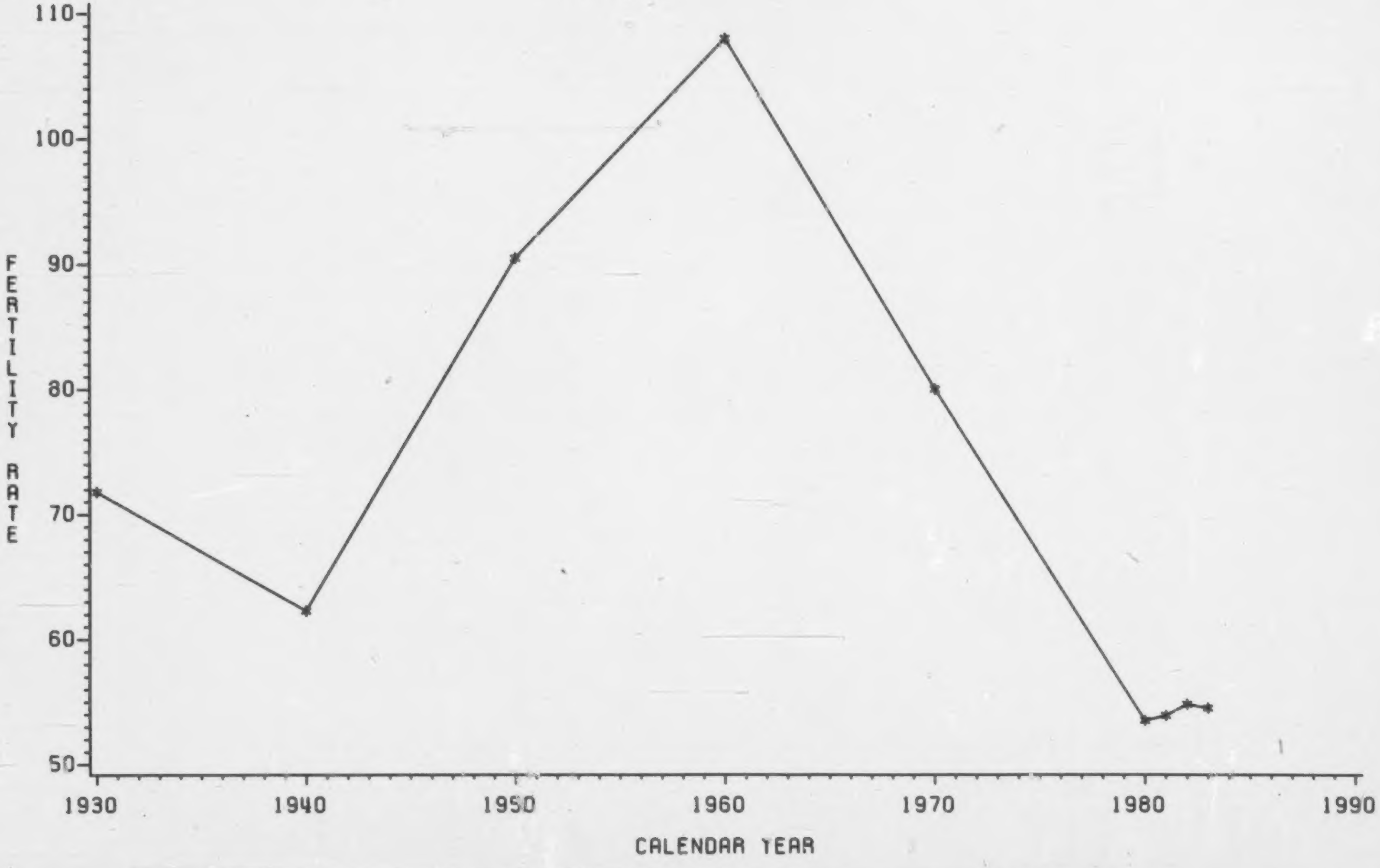


TABLE B-3
RESIDENT BIRTHS BY AGE, RACE AND MARITAL STATUS OF MOTHER
1983

AGE	- TOTAL -			- WHITE -			- NON-WHITE -			- UNKNOWN -		
OF MOTHER	TOTAL	WED	UNWED	TOTAL	WED	UNWED	TOTAL	WED	UNWED	TOTAL	WED	UNWED
UNDER 15	86	3	83	49	1	48	33	1	32	4	1	3
15	255	26	229	186	25	161	61	1	60	8	0	8
16	726	118	608	581	113	468	129	3	126	16	2	14
17	1,278	340	938	1,071	327	744	183	7	176	24	6	18
18	2,053	749	1,304	1,765	720	1,045	257	21	236	31	8	23
19	2,521	1,256	1,265	2,200	1,203	997	279	43	236	42	10	32
20-24	19,605	14,859	4,746	17,430	13,820	3,610	1,798	799	999	377	240	137
25-29	26,609	24,322	2,287	24,209	22,571	1,638	1,788	1,242	546	612	509	103
30-34	17,114	16,166	948	15,383	14,725	658	1,197	953	244	534	488	46
35-39	5,127	4,816	311	4,599	4,381	218	352	280	72	176	155	21
40-44	633	563	70	547	498	49	64	46	18	22	19	3
OVER 44	22	19	3	17	15	2	4	3	1	1	1	0
UNKNOWN	2	2	0	1	1	0	1	1	0	0	0	0
TOTAL*	76,031	63,239	12,792	68,038	58,400	9,638	6,146	3,400	2,746	1,847	1,439	408

*UNWED FIGURES INCLUDE 56 RECORDS WITH UNKNOWN MARITAL STATUS.

TABLE B-4
PARITY BY AGE OF MOTHER, RESIDENT BIRTHS
1983

AGE OF MOTHER	1st N %	2nd N %	3rd N %	4th N %	5th N %	6th N %	7th N %	8th N %	9th+ MORE N %	UN-KNOWN N %	TOTAL N %
10-14	77 .2	4	1	0	0	0	0	0	0	4 .1	86 .1
15-19	5,515 16.6	984 4.0	128 1.2	9 .3	1 .1	0	0	0	0	196 6.9	6,833 9.0
20-24	10,480 31.6	6,176 25.4	1,837 17.4	402 12.2	74 6.6	13 3.2	4 2.8	0	0	619 21.8	19,605 25.8
25-29	10,906 32.9	9,402 38.7	3,945 37.3	1,042 31.6	282 25.3	87 21.1	24 17.0	9 12.3	5 7.6	907 32.0	26,609 35.0
30-34	4,992 15.0	6,178 25.4	3,407 32.2	1,157 35.0	384 34.4	130 31.6	36 25.6	22 30.2	15 22.7	793 28.0	17,114 22.5
35-39	1,128 3.4	1,444 5.9	1,147 10.8	572 17.3	308 27.6	139 33.7	52 36.9	23 31.5	31 47.0	283 10.0	5,127 6.8
40-44	96 .3	114 .6	113 1.1	117 3.5	63 5.6	43 10.4	23 16.3	17 23.3	14 21.2	33 1.2	633 .8
45+ MORE	4	3	1	4 .1	4 .4	0	2 1.4	2 2.7	1 1.5	1	22
UNKNOWN AGE	0	1	0	0	0	0	0	0	0	1	2
TOTAL	33,198 43.7	24,306 32.0	10,579 13.9	3,303 4.3	1,116 1.5	412 .5	141 .2	73 .1	66 .1	2,837 3.7	76,031 100.0

TABLE B-5
RESIDENT BIRTHS TO TEENAGE MOTHERS
1970-1983

YEAR	TOTAL BIRTHS	- AGE OF MOTHER - 12	13	14	15	16	17	18	19	TOTAL 12-19	PERCENT OF TOTAL BIRTHS
1970	93,582	3	8	70	320	802	1,726	3,043	4,285	10,257	11.0
1971	86,755	3	23	84	313	875	1,738	2,981	4,000	10,017	11.5
1972	76,835	1	20	103	348	955	1,841	2,834	3,690	9,792	12.7
1973	72,237	0	12	93	393	959	1,759	2,584	3,282	9,082	12.6
1974	70,071	2	16	79	333	895	1,762	2,524	3,181	8,792	12.5
1975	68,070	2	18	84	325	915	1,678	2,560	3,085	8,667	12.7
1976	65,947	7	12	96	336	807	1,478	2,332	2,923	7,991	12.1
1977	67,838	1	18	68	270	792	1,477	2,293	2,913	7,832	11.5
1978	68,526	3	15	67	303	737	1,445	2,252	2,979	7,801	11.4
1979	70,568	2	9	70	283	773	1,413	2,306	2,916	7,772	11.0
1980	72,591	1	14	56	300	740	1,360	2,202	3,092	7,765	10.7
1981	73,931	1	12	82	275	722	1,357	2,164	2,816	7,429	10.0
1982	75,749	1	14	83	299	753	1,328	2,161	2,722	7,361	9.7
1983	76,031	0	8	78	255	726	1,278	2,053	2,521	6,919	9.1

TABLE B-6
NUMBER OF CESAREAN DELIVERIES COMPARED TO TOTAL BIRTHS, MASSACHUSETTS RESIDENTS
1983

AGE OF MOTHER	- WHITE -			- NON-WHITE -			- UNKNOWN RACE -			- TOTAL -		
	CESAREAN	TOTAL BIRTHS	%	CESAREAN	TOTAL BIRTHS	%	CESAREAN	TOTAL BIRTHS	%	CESAREAN	TOTAL BIRTHS	%
<15	6	49	12.2	9	33	27.3	1	4	25.0	16	86	18.6
15-19	832	5,803	14.3	119	909	13.1	25	121	20.7	976	6,833	14.3
20-24	3,059	17,430	17.6	268	1,798	14.9	111	377	29.4	3,438	19,605	17.5
25-29	4,958	24,209	20.5	297	1,788	16.6	202	612	33.0	5,457	26,609	20.5
30-34	3,442	15,383	22.4	227	1,197	19.0	178	534	33.3	3,847	17,114	22.5
35-39	1,181	4,599	25.7	70	352	19.9	69	176	39.2	1,320	5,127	25.7
40-44	162	547	29.6	17	64	26.6	7	22	31.8	186	633	29.4
>44	3	17	17.6	2	4	50.0	0	1		5	22	22.7
UNKNOWN AGE	0	1		0	1		0	0		0	1	
TOTAL	13,643	68,038	20.1	1,009	6,146	16.4	593	1,847	32.1	15,245	76,031	20.1

FIGURE B-5

BIRTHWEIGHT DISTRIBUTION BY SEX

MASSACHUSETTS

1983

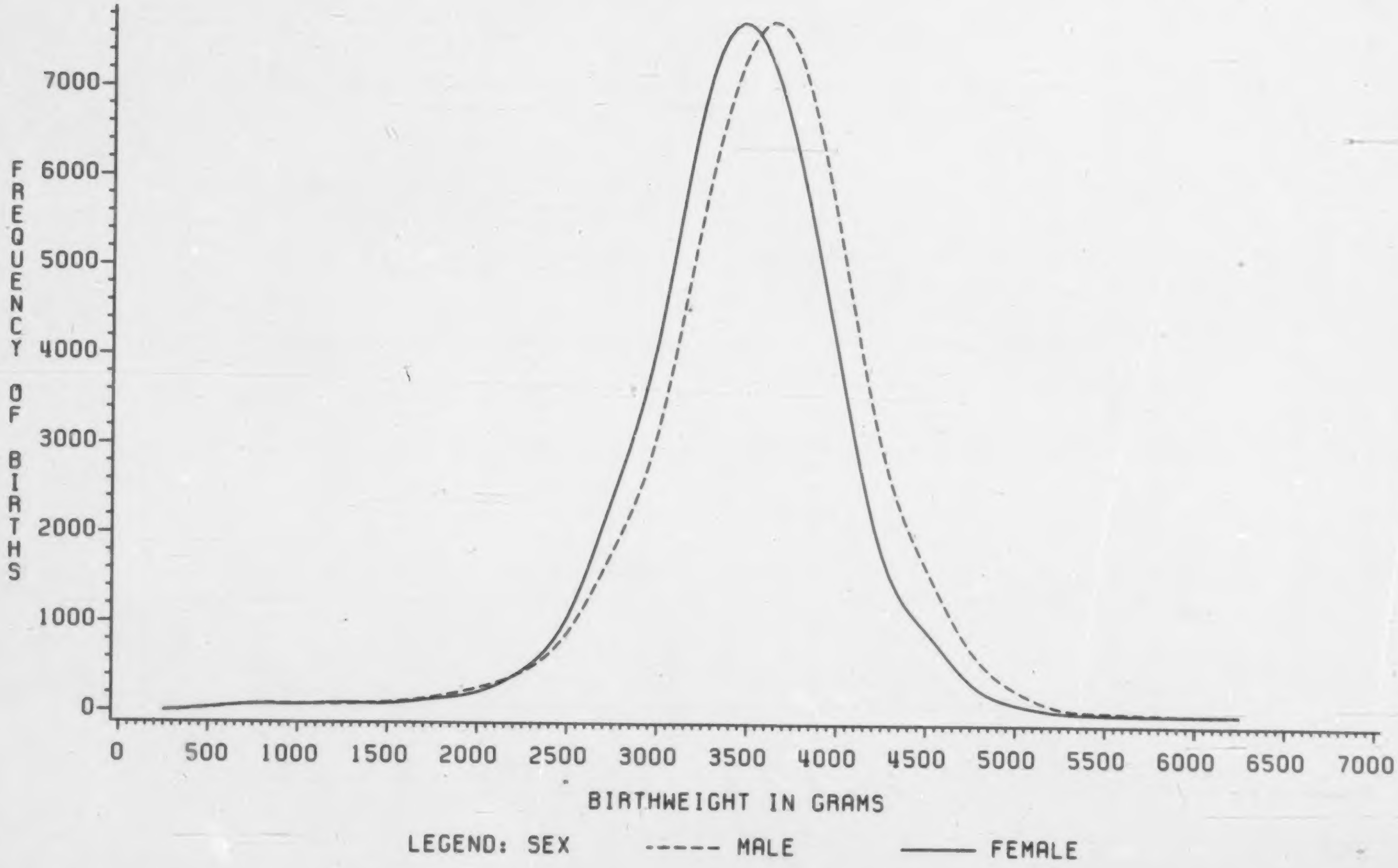


TABLE 8-7

RESIDENT BIRTHS BY AGE AND MARITAL STATUS OF MOTHER AND BIRTHWEIGHT OF INFANT IN GRAMS

1983

BIRTH- WEIGHT gms	MARITAL STATUS	<15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-44	≥45	UN- KWN	-TOTAL-	
															n	%
<500	MARRIED	0	0	1	0	3	2	11	21	9	8	2	0	0	57	
	UNMARR.	0	0	0	6	4	0	9	5	1	1	0	0	0	26	
	TOTAL	0	0	1	6	7	2	20	26	10	9	2	0	0	83	0.1
500-999	MARRIED	0	0	1	0	3	4	50	94	63	11	0	0	0	226	
	UNMARR.	3	2	5	6	8	8	30	14	5	1	2	0	0	84	
	UNKNOWN	0	0	0	0	0	0	0	4	2	0	0	0	0	6	
	TOTAL	3	2	6	6	11	12	80	112	70	12	2	0	0	316	0.4
1000-1499	MARRIED	0	0	0	2	5	6	53	96	70	23	6	0	0	261	
	UNMARR.	1	3	8	12	8	12	39	19	10	1	0	0	0	113	
	UNKNOWN	0	0	0	0	0	0	1	0	2	0	0	0	0	3	
	TOTAL	1	3	8	14	13	18	93	115	82	24	6	0	0	377	0.5
1500-1999	MARRIED	0	0	2	5	9	16	149	196	131	51	12	0	0	571	
	UNMARR.	1	9	8	14	16	26	74	43	22	11	2	0	0	226	
	UNKNOWN	0	0	0	0	1	0	0	0	0	0	0	0	0	1	
	TOTAL	1	9	10	19	26	42	223	239	153	62	14	0	0	798	1.0
2000-2499	MARRIED	0	2	8	14	26	43	480	800	526	170	20	0	0	2089	
	UNMARR.	10	14	34	49	79	81	312	124	71	17	2	0	0	793	
	UNKNOWN	0	0	0	0	0	0	2	1	2	0	0	0	0	5	
	TOTAL	10	16	42	63	105	124	794	925	599	187	22	0	0	2887	3.8
2500-2999	MARRIED	1	5	13	75	133	196	2331	3340	2127	584	80	3	1	8889	
	UNMARR.	19	40	129	204	264	264	1027	477	185	47	13	0	0	2669	
	UNKNOWN	0	0	0	0	0	0	3	1	0	2	0	0	0	6	
	TOTAL	20	45	142	279	397	460	3361	3818	2312	633	93	3	1	11564	15.2
3000-3499	MARRIED	0	14	59	102	282	475	5560	8767	5627	1627	162	4	1	22680	
	UNMARR.	32	91	249	384	524	498	1792	857	326	110	23	1	0	4887	
	UNKNOWN	0	0	0	0	0	0	3	6	4	0	0	0	0	13	
	TOTAL	32	105	308	486	806	973	7355	9630	5957	1737	185	5	1	27580	36.3
3500-3999	MARRIED	2	3	28	115	205	384	4574	7987	5353	1552	193	9	0	20405	
	UNMARR.	11	48	138	214	304	301	1148	569	216	91	18	2	0	3060	
	UNKNOWN	0	0	0	0	0	0	1	3	4	1	0	0	0	9	
	TOTAL	13	51	166	329	509	685	5723	8559	5573	1644	211	11	0	23474	30.9
4000-4499	MARRIED	0	2	5	24	70	105	1361	2449	1830	620	71	2	0	6539	
	UNMARR.	6	19	32	37	81	60	273	130	70	23	9	0	0	740	
	UNKNOWN	0	0	0	0	1	0	2	0	1	0	0	0	0	4	
	TOTAL	6	21	37	61	152	165	1636	2579	1901	643	80	2	0	7283	9.6
4500-4999	MARRIED	0	0	1	3	13	21	245	506	377	144	14	0	0	1324	
	UNMARR.	0	3	5	11	12	15	27	55	15	5	1	0	0	119	
	TOTAL	0	3	6	14	25	36	272	531	392	149	15	0	0	1443	1.9
>5000-8164	MARRIED	0	0	0	0	0	4	35	43	40	18	2	0	0	142	
	UNMARR.	0	0	0	0	2	0	2	2	3	0	0	0	0	9	
	TOTAL	0	0	0	0	2	4	37	45	43	18	2	0	0	151	0.2
UNKNOWN	MARRIED	0	0	0	0	0	0	10	23	13	8	1	1	0	56	
	UNMARR.	0	0	0	1	0	0	1	5	3	0	0	0	0	10	
	UNKNOWN	0	0	0	0	0	0	0	2	6	1	0	0	0	9	
	TOTAL	0	0	0	1	0	0	11	30	22	9	1	1	0	75	0.1
TOTAL	N	86	255	726	1278	2053	2521	19605	26609	17114	5127	633	22	2	76031	100.0
	%	0.1	0.3	1.0	1.7	2.7	3.3	25.8	35.0	22.5	6.8	0.8	0.0	0.0	100.0	

BIRTHWEIGHTS GREATER THAN 8165 GRAMS ARE DEFINED AS UNKNOWN BIRTHWEIGHT. 1000 GRAMS = 2.2 POUNDS.

FIGURE B-6

BIRTHWEIGHT BY EDUCATION OF MOTHER

1983

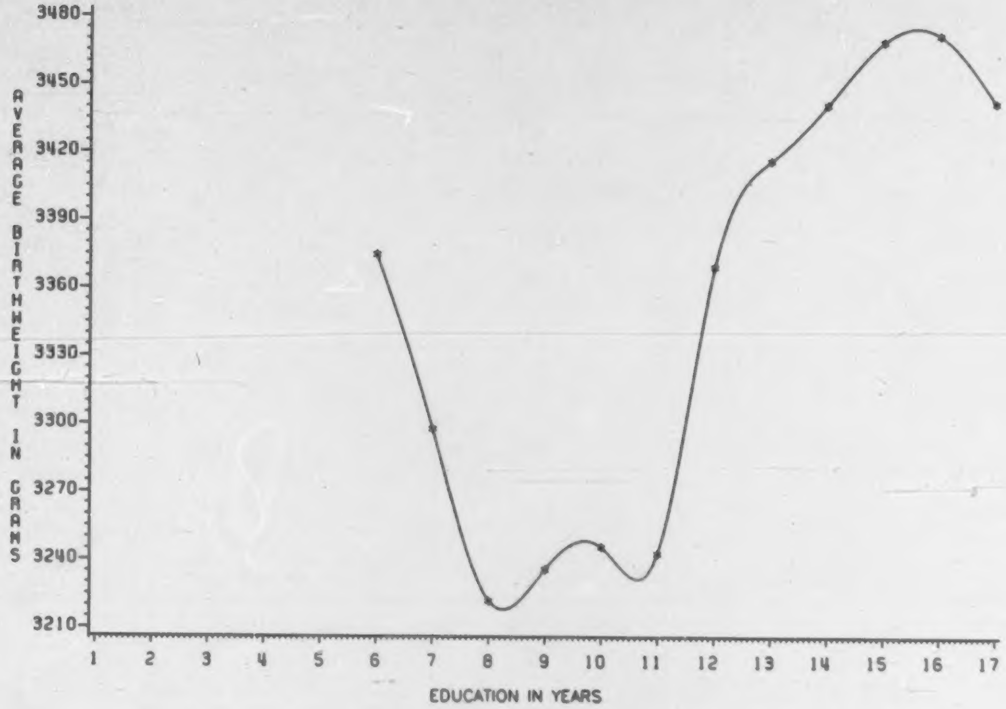


FIGURE B-7

BIRTHWEIGHT BY EDUCATION OF FATHER

1983

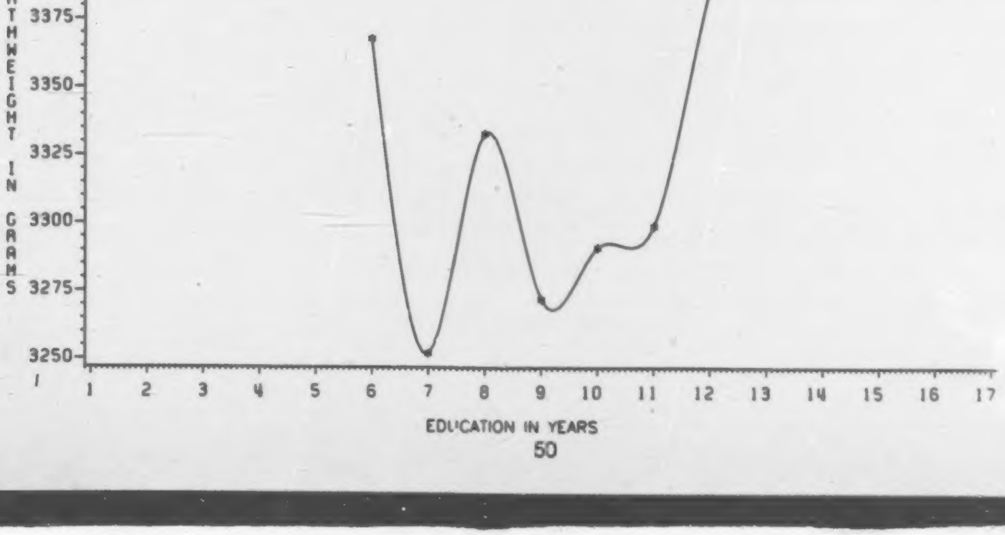


TABLE B-8
BIRTHWEIGHT IN GRAMS BY EDUCATION OF MOTHER, MASSACHUSETTS RESIDENTS
1983

BIRTHWEIGHT		- EDUCATION OF MOTHER -				
		8 YRS OR LESS	9-12 YRS	>12 YRS	UNKNOWN	TOTAL
<500	N	3	52	21	7	83
	%	3.6	62.7	25.3	8.4	100.0
500-999	N	12	171	104	29	316
	%	3.8	54.1	32.9	9.2	100.0
1000-1499	N	10	204	136	27	377
	%	2.6	54.1	36.1	7.2	100.0
1500-1999	N	36	422	289	51	798
	%	4.5	52.9	36.2	6.4	100.0
2000-2499	N	124	1584	1035	144	2887
	%	4.3	54.9	35.8	5.0	100.0
2500-2999	N	494	6275	4357	438	11564
	%	4.3	54.2	37.7	3.8	100.0
3000-3499	N	981	13798	11857	944	27580
	%	3.6	50.0	43.0	3.4	100.0
3500-3999	N	645	10624	11467	738	23474
	%	2.7	45.3	48.8	3.2	100.0
4000-4499	N	206	3120	3724	233	7283
	%	2.8	42.8	51.2	3.2	100.0
4500-4999	N	36	645	720	42	1443
	%	2.5	44.7	49.9	2.9	100.0
≥5000-8164	N	5	67	72	7	151
	%	3.3	44.4	47.7	4.6	100.0
UNKNOWN	N	2	14	30	29	75
	%	2.7	18.7	40.0	38.6	100.0
TOTAL	N	2,554	36,796	33,812	2,689	76,031
	%	3.4	48.6	44.5	3.5	100.0

BIRTHWEIGHTS GREATER THAN 8165 GRAMS ARE DEFINED AS UNKNOWN BIRTHWEIGHT. 1000 GRAMS = 2.2 POUNDS.

TABLE B-9
BIRTHS BY HOSPITAL OF OCCURRENCE
1980-1983

HOSPITAL	CITY/TOWN	HSA SUB-AREA	1980	1981	1982	1983	%
ADDISON GILBERT	GLOUCESTER	61	372	333	331	346	0.4
ANNA JAQUES	NEWBURYPORT	33	771	666	737	723	0.9
BAY STATE MEDICAL CTR.	SPRINGFIELD	13	5,254	5,450	5,452	5,372	6.9
BERKSHIRE MEDICAL CTR.	PITTSFIELD	11	1,395	1,222	1,344	1,387	1.8
BETH ISRAEL	BOSTON	41	3,284	3,376	3,579	3,800	4.9
BEVERLY	BEVERLY	61	702	921	1,079	1,132	1.5
BON SECOURS	METHUEN	32	1,192	1,315	1,378	1,274	1.6
BOSTON CITY	BOSTON	41	1,473	1,477	1,522	1,521	2.0
BRIGHAM & WOMEN'S	BOSTON	41	6,416	7,099	7,517	8,197	10.5
BROCKTON	BROCKTON	52	1,212	1,184	1,243	1,196	1.5
BURBANK*	FITCHBURG	21	886	849	321	754	1.0
CAMBRIDGE CITY	CAMBRIDGE	42	627	570	511	497	0.6
CAPE COD	BARNSTABLE	57	973	961	1,067	1,079	1.4
CHARLTON MEMORIAL	FALL RIVER	55	1,979	2,064	1,964	1,930	2.5
COOLEY DICKENSON	NORTHAMPTON	12	1,075	1,080	1,142	1,185	1.5
EMERSON	CONCORD	42	1,436	1,457	1,481	1,645	2.1
FAIRVIEW	GREAT BARRINGTON	11	127	160	100	117	0.2
FALMOUTH	FALMOUTH	57	504	567	498	441	0.6
FRAMINGHAM UNION	FRAMINGHAM	43	1,982	2,078	1,978	1,900	2.4
FRANKLIN COUNTY PUBLIC	GREENFIELD	12	836	871	868	875	1.1
GODDARD MEMORIAL	STOUGHTON	52	2,100	2,202	2,164	2,295	3.0
HARRINGTON MEMORIAL	SOUTHBRIDGE	23	511	528	516	511	0.7
HAVERHILL MUNICIPAL	HAVERHILL	33	634	624	587	516	0.7
HENRY HEYWOOD MEMORIAL	GARDNER	21	305	313	335	363	0.5
HUNT MEMORIAL	DANVERS	62	480	500	600	648	0.8
JORDAN	PLYMOUTH	53	683	708	772	671	0.9

NOTE: DURING 1982, A 6-MONTH NURSES STRIKE RESULTED IN THE REDUCED NUMBER OF BIRTHS AT BURBANK HOSPITAL. MOST OF THE PATIENTS WERE REFERRED TO LEOMINSTER HOSPITAL.

TABLE B-9 (continued)
BIRTHS BY HOSPITAL OF OCCURRENCE
1980-1983

HOSPITAL	CITY/TOWN	HSA SUB-AREA	1980	1981	1982	1983	%
LAWRENCE GENERAL	LAWRENCE	32	1,497	1,351	1,263	1,471	1.9
LEOMINSTER	LEOMINSTER	21	794	869	1,498	1,097	1.4
LEONARD MORSE	NATICK	43	663	622	634	642	0.8
LOWELL GENERAL	LOWELL	31	1,623	1,817	1,841	1,808	2.3
LYNN	LYNN	63	1,344	1,289	1,246	1,105	1.4
MALDEN	MALDEN	65	1,397	1,370	1,438	1,408	1.8
MARTHA'S VINEYARD	OAK BLUFFS	57	119	105	113	129	0.2
MARY LANE	WARE	13	299	312	315	281	0.4
MELROSE-WAKEFIELD	MELROSE	64	1,467	1,375	1,459	1,412	1.8
MILFORD-WHITINSVILLE	MILFORD	23	532	456	520	416	0.5
MORTON	TAUNTON	54	785	739	713	638	0.8
MOUNT AUBURN	CAMBRIDGE	42	866	961	1,030	939	1.2
NANTUCKET COTTAGE	NANTUCKET	57	55	61	72	78	0.1
NEW ENGLAND MEMORIAL	STONEHAM	64	859	1,008	1,023	1,049	1.3
NEWTON-WELLESLEY	NEWTON	43	1,520	1,662	1,619	1,906	2.5
NORTH ADAMS REGIONAL	NORTH ADAMS	11	354	518	449	376	0.5
NORWOOD	NORWOOD	44	982	884	958	846	1.1
PROVIDENCE	HOLYOKE	13	1,338	1,286	1,248	1,118	1.4
QUINCY CITY	QUINCY	45	935	891	800	875	1.1
SALEM	SALEM	62	1,143	1,146	1,188	1,207	1.6
SOUTH SHORE	WEYMOUTH	45	1,937	1,847	2,023	1,976	2.5
ST. ELIZABETH'S	BOSTON	41	1,038	1,032	1,193	1,041	1.3
ST. JOSEPH'S	LOWELL	31	839	604	634	603	0.8
ST. LUKE'S	NEW BEDFORD	56	2,005	2,028	2,064	1,978	2.5
ST. MARGARET'S	BOSTON	41	3,162	3,253	3,290	3,266	4.3
ST. VINCENT'S	WORCESTER	22	1,777	1,718	1,719	1,722	2.2
STURDY MEMORIAL	ATTLEBORO	51	977	1,032	1,024	989	1.3
TOBEY	WAREHAM	57	308	237	266	259	0.3
WALTHAM	WALTHAM	43	847	850	869	838	1.1
WINCHESTER	WINCHESTER	42	1,640	1,585	1,605	1,490	1.9

TABLE B-9 (continued)
BIRTHS BY HOSPITAL OF OCCURRENCE
1980-1983

HOSPITAL	CITY/TOWN	HSA SUB-AREA	1980	1981	1982	1983	%
WORCESTER HAHNEMANN	WORCESTER	22	1,258	1,129	1,106	1,194	1.5
WORCESTER MEMORIAL	WORCESTER	22	2,220	2,379	2,481	2,582	3.3
ALL OTHER HOSPITALS			20	18	20	18	0
AT HOME, EN ROUTE, OTHER			442	577	634	605	.8
TOTAL			74,251	75,546	77,441	77,737	100.0
HEALTH SERVICE AREA	HEALTH SERVICE AREA--HOSPITAL BIRTHS						
I WESTERN MASS			10,680	10,899	10,918	10,711	
II CENTRAL MASS			8,289	8,244	8,496	8,639	
III MERRIMACK			6,556	6,377	6,440	6,395	
IV METRO-GREATER BOSTON			28,816	29,605	30,609	31,379	
V SOUTH SHORE			11,703	11,889	11,960	11,683	
VI NORTH SHORE			7,765	7,942	8,364	8,307	
TOTAL			73,809	74,956	76,787	77,114	

MORTALITY

SECTION C

MORTALITY

There were 54,150 deaths to Massachusetts residents during 1983, an increase of 1,282 deaths from 1982. Overall, 51% of deaths were to persons aged 75 or older. These percentages vary quite widely by race and sex as indicated below:

SEX	RACE	% OF DEATHS UNDER AGE 75	% OF DEATHS 75 YEARS OR OLDER	TOTAL
MALE	WHITE	58.6%	41.4%	100.0%
	NON-WHITE	77.5%	22.5%	100.0%
	TOTAL	59.3%	40.7%	100.0%
FEMALE	WHITE	37.4%	62.6%	100.0%
	NON-WHITE	60.7%	39.3%	100.0%
	TOTAL	38.1%	61.9%	100.0%
TOTAL	WHITE	47.9%	52.1%	100.0%
	NON-WHITE	70.1%	29.9%	100.0%
	TOTAL	48.5%	51.5%	100.0%

The rank order of the ten leading causes of death changed slightly in 1983 with pneumonia and influenza in 4th place and accidents in 5th, reversing their order from 1982. The ten leading causes for Massachusetts and the United States were identical in 1983, but the order differs after the top three. Heart disease, the leading cause, accounted for 39.1% of all deaths to Massachusetts residents followed by cancer with 23.8%. Both of these percentages are slightly higher than the U.S. percentages. The U.S. percentage of ten leading causes are higher or identical in all other causes except pneumonia and influenza (Table C-2).

Cause of death statistics in this report are based on the Ninth Revision of the International Classification of Diseases, World Health Organization (ICD-9). The methodology for coding cause of death from death certificates is extremely consistent nationally, using the Automated Classification of Medical Entities (ACME), developed by the National Center for Health Statistics (NCHS). The ACME system requires every disease or condition mentioned on the record to be coded. The underlying cause is then selected by a computer program which incorporates the ICD-9 rules and conventions. Cause of death information in both graphs and tables in this report is based on underlying cause except where noted otherwise. Training of personnel and quality control are provided by NCHS to insure comparability nationally. The NCHS codes the cause of death for all records from the states which have not implemented the ACME system.

There are three major benefits of the ACME system of coding:

1. Consistency and comparability of the designation of underlying cause of death is heightened by lessening the decision process of individual coders.

2. Increased data capture of diseases and conditions which are present at the time of death but are not the underlying cause of death is possible. This increases the utility of mortality data as an epidemiological tool to determine morbidity of certain diseases and as an environmental surveillance tool.

3. Data previously lost due to records which may have been improperly completed are accessible. The cause of death information on the Standard Certificate of Death (Appendix I) is collected in two parts. Part I contains the immediate cause of death. The underlying cause is mostly likely the condition of the longest duration which resulted in the immediate cause of death. Part II contains other significant conditions which may have contributed to the death but are not related to the cause information contained in Part I. Because the completion of the record is a medical decision made by the physician and not a coding decision, the information in Part II may, in fact, be the underlying cause of death but is not coded as such. With all cause information now coded, records containing data relating to particular diseases and conditions may be captured for epidemiological purposes.

Three tables are presented utilizing cause of death information available from multiple cause of death coding. Table C-8A presents a cross-tabulation of twelve important causes with both the number of deaths due to the underlying cause and mentioned conditions together with ratios reflecting the fact that death certificates have an average of 2.9 mentioned conditions or diseases. Table C-8B is a similar table focusing on deaths due to cancer. The final multiple cause table (C-9) shows the number of deaths with atherosclerosis, diabetes mellitus, and hypertensive disease included as either an underlying cause or mentioned condition.

The leading causes of death vary widely by age and sex. Table C-4 presents the five leading causes of death by age and sex. For ages one through 29, accidents were the leading cause of death; for those aged 30 through 69, cancer was the leading cause; only for those aged 70 and over does heart disease become the leading cause. For males, however, heart disease becomes the leading cause beginning at age 40.

The number of deaths due to suicide in Massachusetts decreased 1.7% from 1982 to 529 in 1983. The percentage of deaths due to suicide in Massachusetts continues well below the U.S. percentage. Males accounted for 79% of suicides. One-half of these males were between the ages of 20 and 39. Table C-10 presents complete statistics by sex, age and method.

Overall, accidental deaths increased 5.9% to 1,891 during 1983; motor vehicle accident-related deaths increased 3.9% and other accidents increased 7.3%. Motor vehicle accidents by sex and age are contained in Table C-11.

In 1983, medical examiners certified 24.2% of all deaths occurring in Massachusetts. Only 18% of these 13,268 deaths were attributed to violent causes. The remaining 82% were sudden or unattended deaths. Table C-13 displays the variability by county in the practice of medical examiners. The highest percentage of deaths certified, for example, was in Plymouth County, where 36% of occurrence deaths were certified by medical examiners, with 82% of these attributed to non-violent causes. In Suffolk County, the second largest county in population and number of deaths, only 12% of its deaths were certified by medical examiners. This county also had the greatest number of referrals where the medical examiners waived jurisdiction and the lowest percentage of non-violent causes (56%) in the state.

Of the deaths occurring in Massachusetts in 1983, the place of occurrence was as follows:

SITE	# OF DEATHS	% OF DEATHS
HOSPITAL	34,766	63.5
AT HOME	7,872	14.4
NURSING OR REST HOME	7,534	13.8
EN ROUTE OR DEAD ON ARRIVAL	4,051	7.4
OTHER AND UNKNOWN	519	0.9
TOTAL	54,742	100.0

TABLE C-1
RESIDENT DEATHS BY AGE, SEX AND RACE
1983

AGE	- ALL RACES -			- WHITE -			- NON-WHITE -			- OTHER & UNKNOWN -		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<5	803	470	333	686	401	285	115	68	47	2	1	1
5 - 9	62	31	31	50	27	23	12	4	8	0	0	0
10-14	86	50	36	77	42	35	9	8	1	0	0	0
15-19	330	232	98	311	215	96	18	16	2	1	1	0
20-24	451	325	126	412	297	115	37	27	10	2	1	1
25-29	430	327	103	388	298	90	38	25	13	4	4	0
30-34	438	287	151	380	249	131	56	38	18	2	0	2
35-39	547	361	186	500	336	164	46	24	22	1	1	0
40-44	680	399	281	626	369	257	52	29	23	2	1	1
45-49	1,008	631	377	934	575	359	72	54	18	2	2	0
50-54	1,807	1,120	687	1,705	1,057	648	101	62	39	1	1	0
55-59	2,967	1,876	1,091	2,820	1,788	1,032	144	86	58	3	2	1
60-64	4,305	2,648	1,657	4,121	2,536	1,585	181	110	71	3	2	1
65-69	5,562	3,361	2,201	5,409	3,265	2,144	147	92	55	6	4	2
70-74	6,831	3,816	3,015	6,668	3,716	2,952	161	98	63	2	2	0
75-79	7,494	3,758	3,736	7,342	3,677	3,665	144	76	68	8	5	3
80-84	7,638	3,224	4,414	7,499	3,164	4,335	138	59	79	1	1	0
85-89	6,739	2,351	4,388	6,639	2,309	4,330	99	42	57	1	0	1
90-94	4,299	1,227	3,072	4,215	1,203	3,012	83	24	59	1	0	1
95-99	1,415	350	1,065	1,382	337	1,045	33	13	20	0	0	0
>99	251	43	208	243	42	201	8	1	7	0	0	0
UNKNOWN	7	6	1	5	4	1	2	2	0	0	0	0
TOTAL	54,150	26,893	27,257	52,412	25,907	26,505	1,696	958	738	42	28	14

TABLE C-2
LEADING CAUSES OF DEATH, MASSACHUSETTS AND UNITED STATES
1982-1983

CAUSE OF DEATH	- 1982 -					- 1983 -				
	MASS. NUMBER	%	RANK	U.S.%	RANK	MASS. NUMBER	%	RANK	U.S.%	RANK
DISEASES OF THE HEART (390-398, 402, 404-429)	21,161	40.0	1	38.2	1	21,186	39.1	1	38.1	1
MALIGNANT NEOPLASMS (140-208)	12,572	23.8	2	21.9	2	12,898	23.8	2	21.9	2
CEREBROVASCULAR DISEASE (430-438)	3,835	7.3	3	8.0	3	3,697	6.8	3	7.8	3
PNEUMONIA & INFLUENZA (480-487)	1,703	3.2	5	2.5	6	1,902	3.5	4	2.7	6
ACCIDENTS (800-949)	1,785	3.4	4	4.8	4	1,891	3.5	5	4.5	4
CHRONIC OBSTRUCTIVE PULMONARY DISEASES (490-496)	1,429	2.7	6	3.0	5	1,705	3.2	6	3.3	5
DIABETES MELLITUS (250)	917	1.7	7	1.7	7	906	1.7	7	1.8	7
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	744	1.4	8	1.4	9	692	1.3	8	1.4	9
ATHEROSCLEROSIS (440)	693	1.3	9	1.3	10	662	1.2	9	1.3	10
SUICIDE (950-959)	538	1.0	10	1.4	8	529	1.0	10	1.4	8
ALL OTHER CAUSES	7,491	14.2	--	15.8	--	8,082	14.9	--	15.8	--
TOTAL	52,868	100.0	--	100.0	--	54,150	100.0	--	100.0	--

FIGURE C-1

10 LEADING CAUSES OF DEATH

MASSACHUSETTS AND UNITED STATES

1983

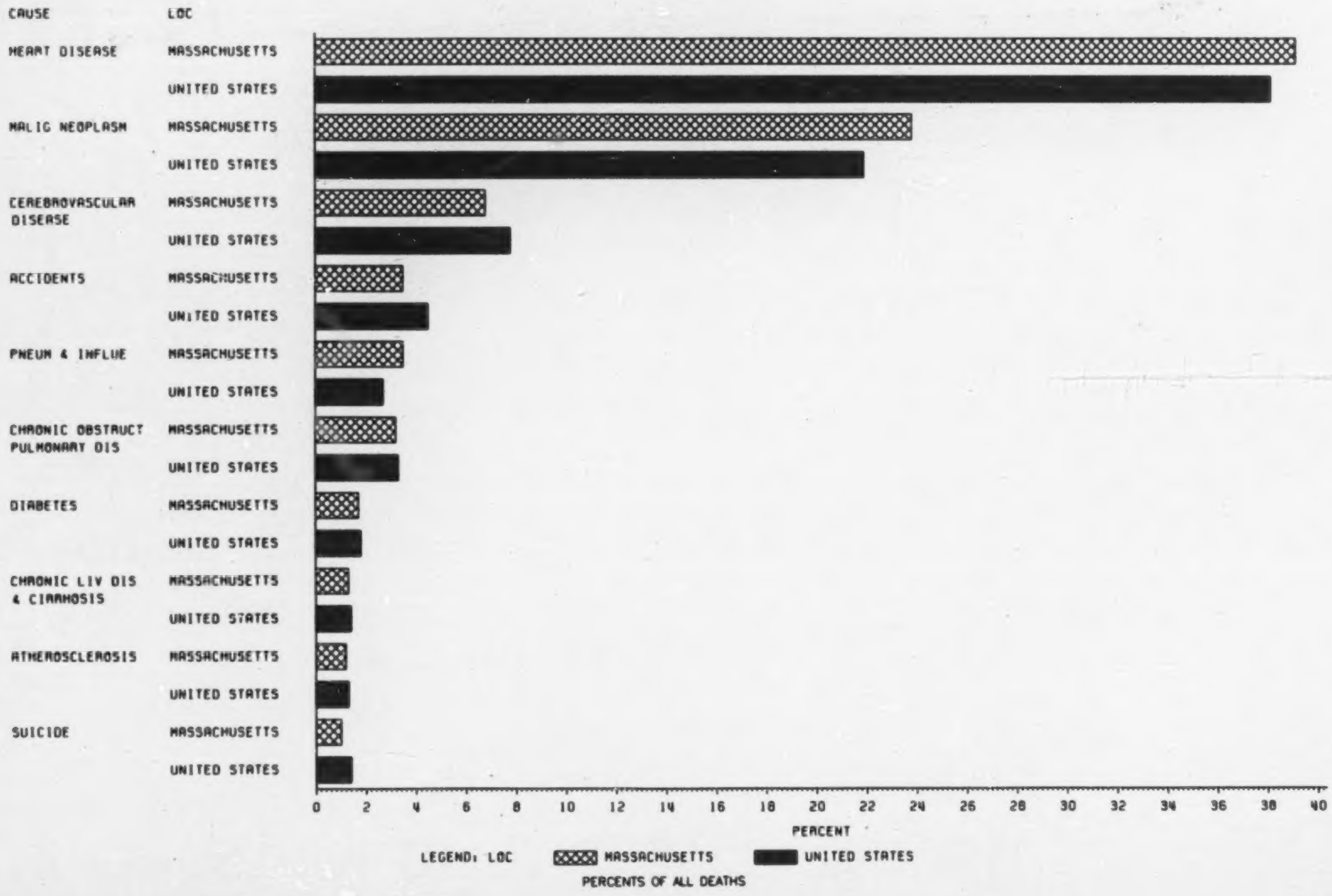


FIGURE C-2

PROPORTION OF FIVE SELECTED CAUSES OF DEATH

MASSACHUSETTS RESIDENTS

1940 TO 1983

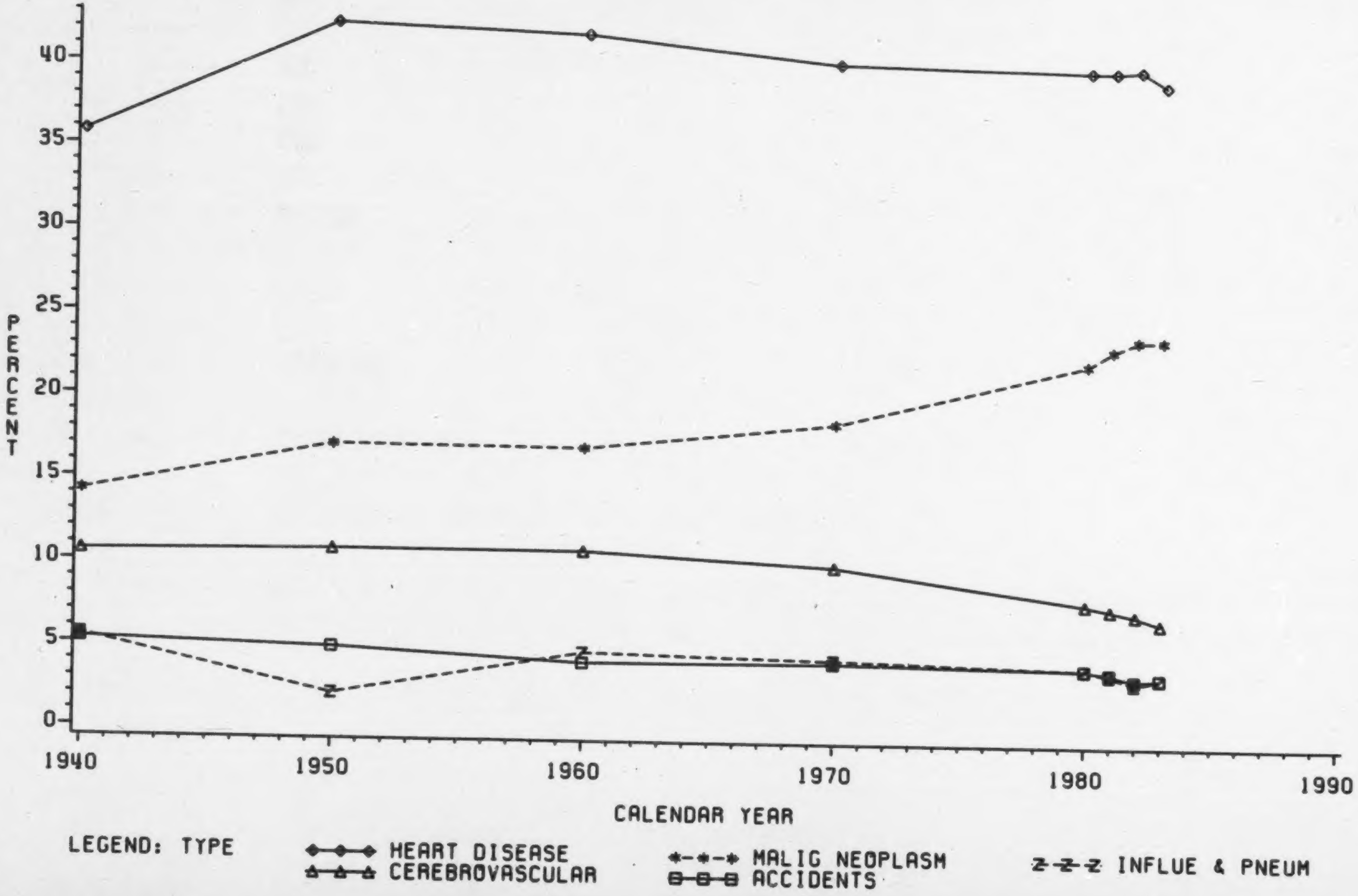


TABLE C-3
LEADING CAUSES OF DEATH BY HEALTH SERVICE AREAS
1983

CAUSE OF DEATH	STATE	HSA I	HSA II	HSA III	HSA IV	HSA V	HSA VI
	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE
DISEASES OF THE HEART (390-398,402,404-429)	21,186 1 3.7	2,996 1 3.7	2,587 1 3.8	1,736 1 3.6	7,423 1 3.5	3,976 1 3.9	2,468 1 3.9
MALIGNANT NEOPLASMS (140-208)	12,898 2 2.2	1,785 2 2.2	1,431 2 2.1	1,035 2 2.1	4,690 2 2.2	2,403 2 2.3	1,554 2 2.5
CEREBROVASCULAR DISEASE (430-438)	3,697 3 .6	557 3 .7	368 3 .5	301 3 .6	1,221 3 .6	825 3 .8	425 3 .7
PNEUMONIA & INFLUENZA (480-487)	1,902 4 .3	265 5 .3	233 5 .3	147 5 .3	756 4 .4	318 5 .3	183 6 .3
ACCIDENTS (800-949)	1,891 5 .3	301 4 .4	243 4 .4	142 6 .3	654 5 .3	364 4 .4	187 5 .3
CHRONIC OBSTRUCTIVE PULMONARY DISEASES (490-496)	1,705 6 .3	265 6 .3	183 6 .3	170 4 .4	561 6 .3	299 6 .3	227 4 .4
DIABETES MELLITIS (250)	906 7 .2	137 7 .2	92 7 .1	101 8 .2	307 7 .1	156 8 .2	113 7 .2
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	692 8 .1	105 8 .1	66 9 .1	55 9 .1	238 8 .1	140 9 .1	88 8 .1
ATHEROSCLEROSIS (440)	662 9 .1	105 9 .1	63 10 .1	130 7 .3	131 10 .1	165 7 .2	68 9 .1
SUICIDE (950-959)	529 10 .1	85 10 .1	69 8 .1	47 10 .1	179 9 .1	97 10 .1	52 10 .1
ALL OTHER CAUSES	8,082 — 1.4	1,113 — 1.4	969 — 1.4	605 — 1.2	3,215 — 1.5	1,270 — 1.2	910 — 1.4
TOTAL	54,150 9.4	7,714 9.6	6,304 9.3	4,469 9.2	19,375 9.2	10,013 9.8	6,275 9.9

NOTE: The rates for the state are determined using 1983 estimated population. HSA rates utilize 1980 U.S. Census data.

TABLE C-4
LEADING CAUSES OF DEATH BY AGE GROUP AND SEX
1983

AGE GROUP	TOTAL	MALE	FEMALE
UNDER 1 YEAR			
CERTAIN CAUSES OF PERINATAL MORTALITY (760-779)	353*	202	150
CONGENITAL ANOMALIES (740-759)	148*	79	68
SUDDEN INFANT DEATH SYNDROME (7980)	81	60	21
ALL OTHER CAUSES	100	58	42
TOTAL	682 1.3%	399 1.5%	281 1.0%
1-4 YEARS			
OTHER ACCIDENTS (800-809, 826-949)	25	17	8
CONGENITAL ANOMALIES (740-759)	24	11	13
DISEASES OF RESPIRATORY SYSTEM (460-519)	13	8	5
MALIGNANT NEOPLASMS (140-208)	11	6	5
ALL OTHER CAUSES	48	27	21
TOTAL	121 .2%	69 .3%	52 .2%
5-9 YEARS			
OTHER ACCIDENTS (800-809, 826-949)	17	9	8
MOTOR VEHICLE ACCIDENTS (810-825)	9	6	3
MALIGNANT NEOPLASMS (140-208)	9	3	6
ALL OTHER CAUSES	27	18	17
TOTAL	62 .1%	31 .1%	31 .1%
10-14 YEARS			
MOTOR VEHICLE ACCIDENTS (810-825)	21	12	9
OTHER ACCIDENTS (800-809, 826-949)	16	12	4
MALIGNANT NEOPLASMS (140-208)	12	6	6
ALL OTHER CAUSES	37	20	17
TOTAL	86 .2%	50 .2%	36 .1%

TABLE C-4 (continued)
LEADING CAUSES OF DEATH BY AGE GROUP AND SEX
1983

AGE GROUP	TOTAL	MALE	FEMALE
15-19 YEARS			
MOTOR VEHICLE ACCIDENTS (810-825)	134	91	43
OTHER ACCIDENTS (800-809, 826-949)	50	34	16
SUICIDE (950-959)	39	35	4
MALIGNANT NEOPLASMS (140-208)	27	17	10
HOMICIDE (960-969)	18	15	3
ALL OTHER CAUSES	62	40	22
TOTAL	330	232	98
	.6%	.9%	.4%
20-29 YEARS			
MOTOR VEHICLE ACCIDENTS (810-825)	233	187	46
SUICIDE (950-959)	144	120	24
OTHER ACCIDENTS (800-809, 826-949)	124	104	20
MALIGNANT NEOPLASMS (140-209)	76	45	31
HOMICIDE (960-969)	74	53	21
ALL OTHER CAUSES	230	143	87
TOTAL	881	652	229
	1.6%	2.4%	.8%
30-39 YEARS			
MALIGNANT NEOPLASMS (140-208)	208	73	135
SUICIDE (950-959)	116	91	25
OTHER ACCIDENTS (800-809, 826-949)	103	85	18
MOTOR VEHICLE ACCIDENTS (810-825)	85	68	17
ISCHEMIC HEART DISEASE (410-414)	74	60	14
ALL OTHER CAUSES	399	271	128
TOTAL	985	648	337
	1.8%	2.4%	1.2%
40-49 YEARS			
MALIGNANT NEOPLASMS (140-208)	571	225	346
ISCHEMIC HEART DISEASE (410-414)	374	316	58
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	89	69	20
ALL OTHER CAUSES	654	420	234
TOTAL	1,688	1,030	658
	3.1%	3.8%	2.4%

TABLE C-4 (continued)
LEADING CAUSES OF DEATH BY AGE GROUP AND SEX
1983

AGE GROUP	TOTAL	MALE	FEMALE
50-59 YEARS			
MALIGNANT NEOPLSAMS (140-208)	1,754	920	834
ISCHEMIC HEART DISEASE (410-414)	1,393	1,074	319
DISEASES OF RESPIRATORY SYSTEM (460-519)	206	132	74
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	160	107	53
ALL OTHER CAUSES	1,261	763	498
TOTAL	4,774 8.8%	2,996 11.1%	1,778 6.5%
60-69 YEARS			
MALIGNANT NEOPLASMS (140-208)	3,372	1,807	1,565
ISCHEMIC HEART DISEASE (410-414)	3,098	2,153	945
DISEASES OF RESPIRATORY SYSTEM (460-519)	604	387	217
CEREBROVASCULAR DISEASE (430-438)	443	239	204
ALL OTHER CAUSES	2,350	1,423	927
TOTAL	9,867 18.2%	6,009 22.3%	3,858 14.2%
70-79 YEARS			
ISCHEMIC HEART DISEASE (410-414)	4,688	2,589	2,099
MALIGNANT NEOPLASMS (140-208)	3,856	2,065	1,791
DISEASES OF RESPIRATORY SYSTEM (460-519)	1,208	728	480
CEREBROVASCULAR DISEASE (430-438)	898	400	498
ALL OTHER CAUSES	3,675	1,792	1,883
TOTAL	14,325 26.5%	7,574 28.2%	6,751 24.8%
80-89 YEARS			
ISCHEMIC HEART DISEASE (410-414)	4,907	1,864	3,043
MALIGNANT NEOPLASMS (140-208)	2,449	1,103	1,346
CEREBROVASCULAR DISEASE (430-438)	1,446	417	1,029
DISEASES OF RESPIRATORY SYSTEM (460-519)	1,411	694	717
ALL OTHER CAUSES	4,164	1,497	6,135
TOTAL	14,377 26.5%	5,575 20.7%	8,802 32.3%

TABLE C-4 (continued)
LEADING CAUSES OF DEATH BY AGE GROUP AND SEX
1983

AGE GROUP	TOTAL	MALE	FEMALE
90-99 YEARS			
ISCHEMIC HEART DISEASE (410-414)	2,106	521	1,585
CEREBROVASCULAR DISEASE (430-438)	620	139	481
DISEASES OF RESPIRATORY SYSTEM (460-519)	616	238	378
MALIGNANT NEOPLASMS (140-208)	538	201	337
ALL OTHER CAUSES	1,834	478	1,356
TOTAL	5,714 10.6%	1,577 5.9%	4,137 15.2%
100 YEARS & OLDER			
ISCHEMIC HEART DISEASE (410-414)	101	15	86
CEREBROVASCULAR DISEASE (430-438)	32	3	29
DISEASES OF RESPIRATORY SYSTEM (460-519)	21	4	17
ATHEROSCLEROSIS (440)	19	4	15
ALL OTHER CAUSES	78	17	61
TOTAL	251 .5%	43 .2%	208 .8%
TOTAL MASSACHUSETTS DEATHS	54,150** 100.0%	26,891 100.0%	27,257 100.0%

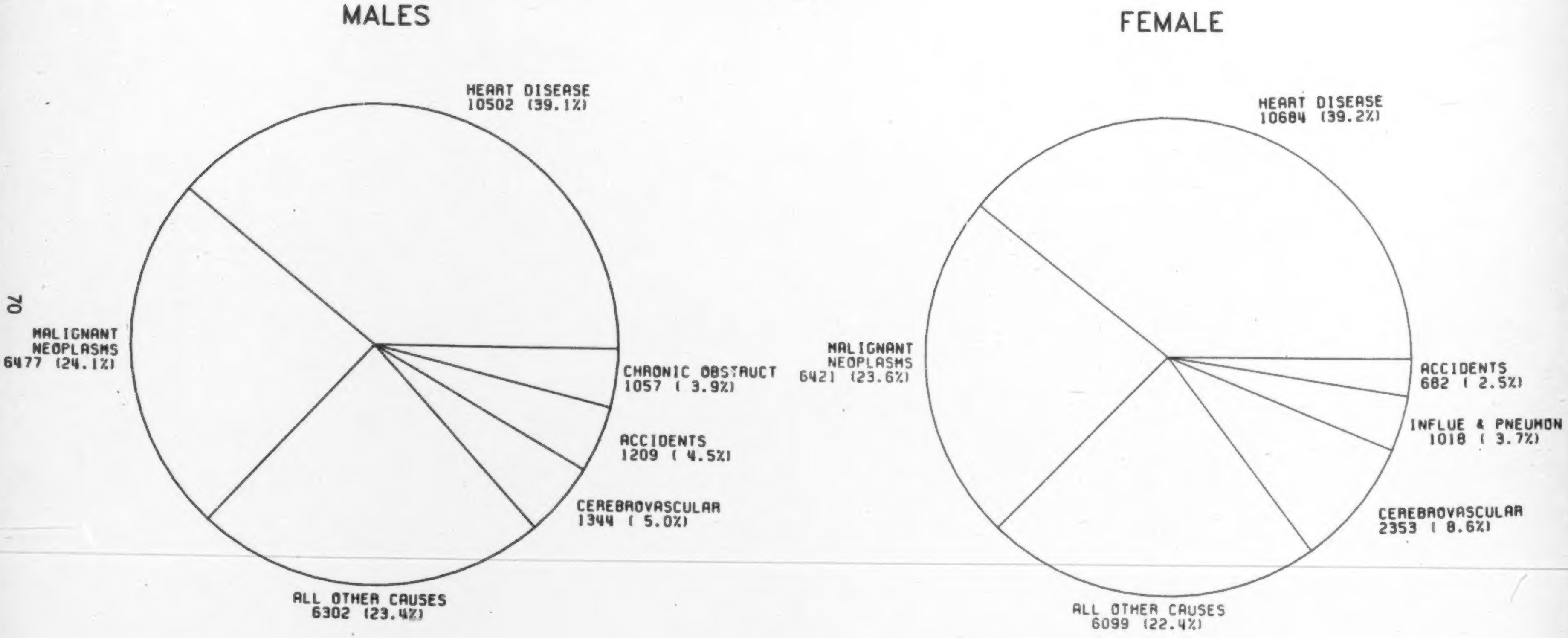
*INCLUDES TWO INFANT DEATHS OF UNKNOWN SEX.

**INCLUDES SEVEN DEATHS OF UNKNOWN AGE AND ONE OF UNKNOWN SEX.

FIGURE C-3

5 LEADING CAUSES OF DEATH BY SEX

1983



MALES

FEMALE

FIGURE C-4

5 LEADING CAUSES OF DEATH BY RACE
1983

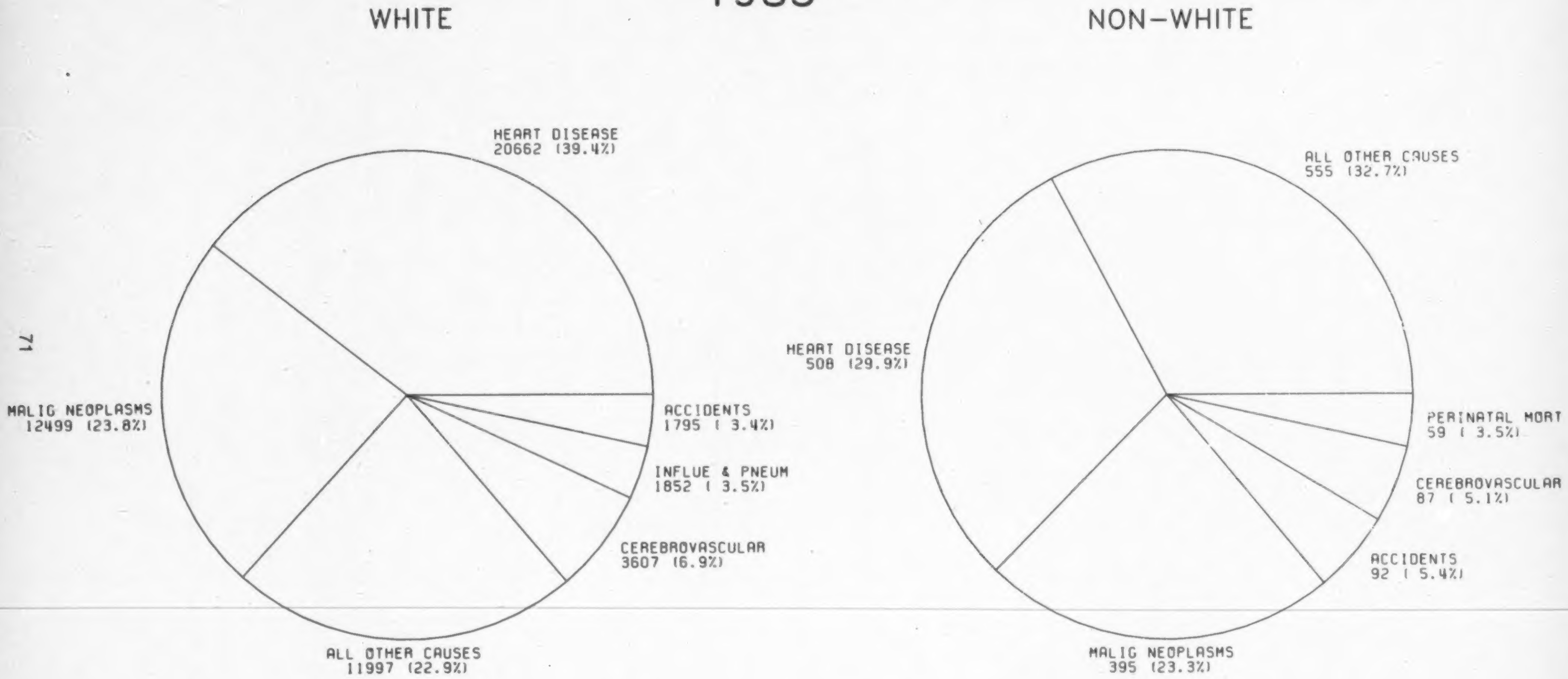


TABLE C-5
MAJOR CAUSES OF MASSACHUSETTS RESIDENT DEATHS BY RACE AND SEX
1983

MAJOR CAUSE OF DEATH (ICD CODE)		- TOTALS -			- WHITE -			- NON-WHITE -		
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
I.	INFECTIVE AND PARASITIC DISEASES (001-139)	634	296	338	593	277	316	41	19	22
		1.2	1.1	1.2	1.2	1.0	1.2	2.4	2.0	3.0
II.	NEOPLASMS (140-239)	13138	6590	6548	12735	6350	6385	399	238	161
		24.3	24.5	24.0	24.0	24.5	24.1	23.5	24.9	21.8
III.	ENDOCRINE, NUTRITIONAL AND METABOLIC DISORDERS (240-279)	1226	512	714	1168	486	682	56	25	31
		2.3	1.9	2.6	2.2	1.9	2.6	3.3	2.6	4.2
IV.	DIS. OF THE BLOOD AND BLOOD-FORMING ORGANS (280-289)	183	95	88	177	93	84	6	2	4
		0.3	0.5	0.3	0.3	0.3	0.3	0.4	0.2	0.6
V.	MENTAL DISORDERS (290-319)	368	177	191	351	167	184	16	9	7
		0.7	1.0	0.7	0.7	0.6	0.7	0.9	0.9	0.9
VI.	DIS. OF THE NERVOUS SYSTEM AND SENSE ORGANS (320-389)	857	401	456	830	386	444	27	15	12
		1.6	1.4	1.7	1.6	1.5	1.7	1.6	1.6	1.6
VII.	DIS. OF THE CIRCULATORY SYSTEM (390-459)	26533	12556	13977	25882	12212	13670	632	330	302
		49.0	46.6	51.3	49.4	47.2	51.6	37.3	34.5	40.9
VIII.	DIS. OF THE RESPIRATORY SYSTEM (460-519)	4205	2272	1933	4097	2208	1889	105	62	43
		7.8	8.4	7.1	7.8	8.5	7.1	6.2	6.5	5.8
IX.	DIS. OF THE DIGESTIVE SYSTEM (520-579)	2147	1125	1022	2072	1083	989	73	41	32
		3.9	4.1	3.7	3.9	4.2	3.7	4.3	4.3	4.3
X.	DIS. OF THE GENITOURINARY SYSTEM (580-628)	912	392	520	868	377	491	44	15	29
		1.7	1.4	2.0	1.7	1.5	1.8	2.6	1.6	3.9
XI.	COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND PUERPERIUM (630-676)	3	0	3	2	0	2	1	0	1
		0	0	0	0	0	0	0.1	0	0.1
XII.	DIS. OF THE SKIN AND SUBCUTANEOUS TISSUE (680-709)	82	33	49	81	32	49	1	1	0
		0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0
XIII.	DIS. OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (710-739)	150	40	110	145	39	106	5	1	4
		0.3	0.1	0.4	0.3	0.2	0.4	0.2	0.1	0.6
XIV.	CONGENITAL ANOMALIES (740-759)	244	128	116	224	120	104	20	8	12
		0.4	0.4	0.4	0.4	0.5	0.4	1.2	0.8	1.6
XV.	CERTAIN CONDITIONS ORIGINATING IN PERINATAL PERIOD (760-779)	357	205	152	296	169	127	59	35	24
		0.7	0.8	0.6	0.6	0.6	0.5	3.5	3.6	3.2
XVI.	SYMPTOMS, SIGNS AND ILL-DEFINED CONDITIONS (780-799)	431	246	185	376	209	167	51	34	17
		0.8	0.9	0.7	0.7	0.8	0.6	3.0	3.6	2.4
XVII.	EXTERNAL CAUSES OF INJURY AND POISONING (800-899)	2680	1823	857	2515	1698	817	160	122	38
		4.9	6.8	3.1	4.8	6.6	3.1	9.4	12.7	5.1
	TOTALS	54150	26891	27259	52412	25906	26506	1696	957	739
		100	100	100	100	100	100	100	100	100

NOTE: TOTALS REFLECT 28 MALES AND 14 FEMALES OF UNKNOWN RACE.

FIGURE C-5

MASSACHUSETTS RESIDENT DEATHS

PROPORTION BY AGE GROUP WITHIN RACE

1983

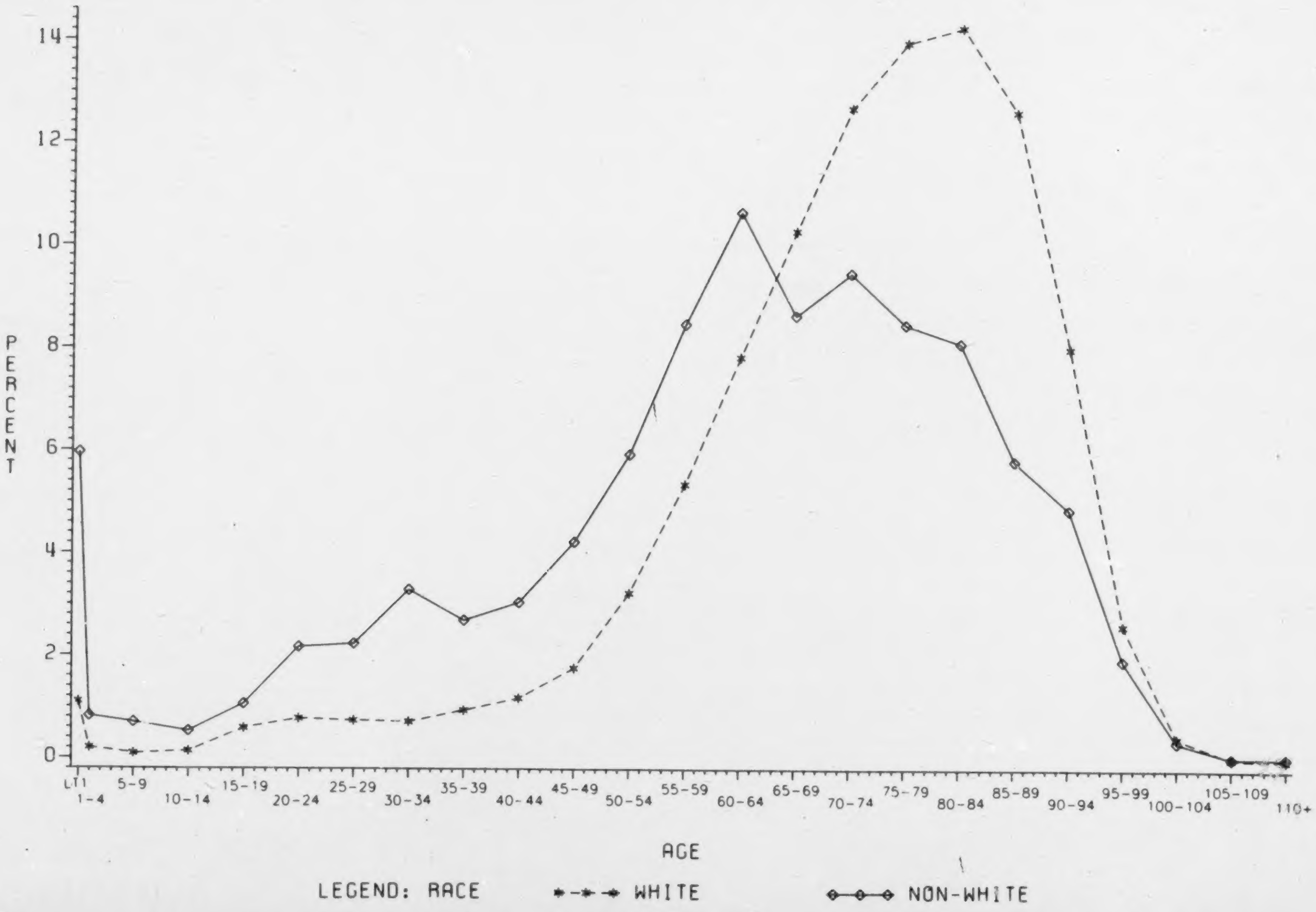


TABLE C-6
SELECTED CAUSES OF DEATH BY AGE AND SEX
MASSACHUSETTS RESIDENTS
1983

CAUSE OF DEATH	TOTAL	0-4	5-9	10-14	15-19	20-29	30-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+
MALIGNANT NEOPLASMS (140-208)																
MALE	6477	9	3	6	17	45	73	72	153	324	596	835	971	1116	949	1308
FEMALE	6421	6	6	6	10	31	135	146	200	347	486	719	846	920	870	1693
TOTAL	12898	15	9	12	27	76	208	218	353	671	1082	1554	1817	2036	1819	3001
DIABETES MELLITUS (250)																
MALE	373	0	0	1	0	8	6	6	7	16	17	39	51	56	69	97
FEMALE	533	0	0	0	1	0	6	4	6	6	18	50	49	66	103	224
TOTAL	906	0	0	1	1	8	12	10	13	22	35	89	100	122	172	321
HEART DISEASES (390 - 398, 402, 404-429)																
MALE	10502	10	1	1	9	26	100	132	239	460	790	1109	1459	1550	1549	3067
FEMALE	10684	8	4	1	3	16	36	38	48	142	308	467	749	1162	1560	6142
TOTAL	21186	18	5	2	12	42	136	170	287	602	1098	1576	2208	2712	3109	9209
CEREBROVASCULAR DISEASE (430-438)																
MALE	1344	0	0	2	0	9	12	10	26	29	58	94	145	168	232	559
FEMALE	2353	1	0	0	0	3	17	9	14	29	39	85	119	188	310	1539
TOTAL	3697	1	0	2	0	12	29	19	40	58	97	179	264	356	542	2098
ATHEROSCLEROSIS (440)																
MALE	180	0	0	0	0	0	1	0	0	1	2	4	12	22	21	117
FEMALE	482	0	0	0	0	0	0	0	1	1	3	6	7	24	33	407
TOTAL	662	0	0	0	0	0	1	0	1	2	5	10	19	46	54	524
INFLUENZA & PNEUMONIA (480-487)																
MALE	884	8	0	1	1	4	4	5	7	14	21	39	51	91	138	500
FEMALE	1018	4	0	1	0	1	6	3	4	10	12	18	35	62	107	755
TOTAL	1902	12	0	2	1	5	10	8	11	24	33	57	86	153	245	1255
CHRONIC OBSTRUCTIVE PULMONARY (490-496)																
MALE	1057	1	0	1	1	1	2	3	14	18	45	79	158	200	202	332
FEMALE	648	1	0	1	0	1	1	2	7	17	25	46	79	116	132	220
TOTAL	1705	2	0	2	1	2	3	5	21	35	70	125	237	316	334	552

CHRONIC LIVER DIS. & CIRRHOSIS (571																
MALE	434	1	0	0	0	1	25	28	41	34	73	54	74	53	29	21
FEMALE	258	0	0	0	0	4	11	8	12	20	33	37	41	33	24	35
TOTAL	692	1	0	0	0	5	36	36	53	54	106	91	115	86	53	56
MOTOR VEHICLE ACCIDENTS (810-825)																
MALE	533	7	6	12	92	188	68	13	19	12	14	26	23	17	13	23
FEMALE	209	3	3	9	43	46	17	4	9	9	8	13	11	6	13	15
TOTAL	742	10	9	21	135	234	85	17	28	21	22	39	34	23	26	38
SUICIDES (950-959) HOMICIDES (960-969)																
MALE	565	4	4	4	50	173	122	28	19	40	26	29	16	20	14	16
FEMALE	161	0	1	4	7	45	34	7	6	11	14	12	6	5	5	4
TOTAL	726	4	5	8	57	218	156	35	25	51	40	41	22	25	19	20
ALL OTHER ACCIDENTS (800-807,826-949)																
MALE	676	22	9	12	33	103	85	27	23	34	41	32	37	46	47	125
FEMALE	473	10	8	4	16	20	18	15	13	15	19	18	17	48	40	212
TOTAL	1149	32	17	16	49	123	103	42	36	49	60	50	54	94	87	337
ALL MASSACHUSETTS RESIDENT DEATHS																
MALE	26893	470	31	50	232	652	648	399	631	1120	1876	2648	3361	3816	3758	7201
FEMALE	27257	333	31	36	98	229	337	281	377	687	1091	1657	2201	3015	3736	13148
TOTAL	54150	803	62	86	330	881	985	680	1008	1807	2967	4305	5562	6831	7494	20349

2 DEATH RECORDS INCLUDED OF UNKNOWN SEX (IN MALE TOTALS)

7 DEATH RECORDS INCLUDED OF UNKNOWN AGE (AS OVER 80)

TABLE C-7
SELECTED CAUSES OF DEATH BY AGE AND SEX
RATES PER 100,000 POPULATION
1983

CAUSE OF DEATH	TOTAL	0-4	5-9	10-14	15-19	20-29	30-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+
MALIGNANT NEOPLASMS (140-208)																
MALE	237.2	5.2	1.6	2.5	6.2	8.8	18.8	54.0	118.9	213.1	409.3	661.0	972.7	1499.1	1238.0	6505.2
FEMALE	213.6	3.7	3.3	2.7	3.7	5.8	33.2	100.4	143.8	210.2	293.8	476.0	623.3	816.9	567.3	3146.8
TOTAL	224.8	4.4	2.4	2.6	4.9	7.3	26.2	78.2	131.8	211.6	347.9	560.2	771.4	1088.4	790.8	4060.5
DIABETES MELLITUS (250)																
MALE	13.7	0.0	0.0	0.4	0.0	1.6	1.5	4.5	5.4	10.5	11.7	30.9	51.1	75.2	90.0	482.4
FEMALE	17.7	0.0	0.0	0.0	0.4	0.0	1.5	2.8	4.3	3.6	10.9	33.1	36.1	58.6	67.2	416.3
TOTAL	15.8	0.0	0.0	0.2	0.2	0.8	1.5	3.6	4.9	6.9	11.3	32.1	42.5	65.2	74.8	434.3
HEART DISEASES (390 - 398, 402, 404-429)																
MALE	384.6	5.8	0.5	0.4	3.3	5.1	25.7	99.0	185.8	302.6	542.6	877.9	1461.6	2082.1	2020.7	15253.4
FEMALE	355.4	4.9	2.2	0.4	1.1	3.0	8.9	26.1	34.5	86.0	186.2	309.1	551.8	1031.7	1017.3	11416.1
TOTAL	369.3	5.3	1.3	0.4	2.2	4.0	17.1	61.0	107.2	189.8	353.1	568.2	937.4	1449.7	1351.7	12460.1
CEREBROVASCULAR DISEASE (430-438)																
MALE	49.2	0.0	0.0	0.8	0.0	1.8	3.1	7.5	20.2	19.1	39.8	74.4	145.3	225.7	302.6	2780.1
FEMALE	78.3	0.6	0.0	0.0	0.0	0.6	4.2	6.2	10.1	17.6	23.6	56.3	87.7	166.9	202.2	2860.5
TOTAL	64.4	0.3	0.0	0.4	0.0	1.2	3.6	6.8	14.9	18.3	31.2	64.5	112.1	190.3	235.6	2838.7
ATHEROSCLEROSIS (440)																
MALE	6.6	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.7	1.4	3.2	12.0	29.6	27.4	581.9
FEMALE	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.6	1.8	4.0	5.2	21.3	21.5	756.5
TOTAL	11.5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.6	1.6	3.6	8.1	24.6	23.5	709.0
INFLUENZA & PNEUMONIA (480-487)																
MALE	32.4	4.6	0.0	0.4	0.4	0.8	1.0	3.7	5.4	9.2	14.4	30.9	51.1	122.2	180.0	2486.7
FEMALE	33.9	2.4	0.0	0.4	0.0	0.2	1.5	2.1	2.9	6.1	7.3	11.9	25.8	55.0	69.8	1403.3
TOTAL	33.2	3.6	0.0	0.4	0.2	0.5	1.3	2.9	4.1	7.6	10.6	20.5	36.5	81.8	106.5	1698.1
CHRONIC OBSTRUCTIVE PULMONARY (490-496)																
MALE	38.7	0.6	0.0	0.4	0.4	0.2	0.5	2.2	10.9	11.8	30.9	62.5	158.3	268.7	263.5	1651.2
FEMALE	21.6	0.6	0.0	0.4	0.0	0.2	0.2	1.4	5.0	10.3	15.1	30.5	58.2	107.0	86.1	408.9
TOTAL	29.7	0.6	0.0	0.4	0.2	0.2	0.4	1.8	7.8	11.0	22.5	45.1	100.6	168.9	145.2	746.9

CHRONIC LIVER DIS. & CIRRHOSIS (571																
MALE	15.9	0.6	0.0	0.0	0.0	0.2	6.4	21.0	31.9	22.4	50.1	42.7	74.1	71.2	37.8	104.4
FEMALE	8.6	0.0	0.0	0.0	0.0	0.8	2.7	5.5	8.6	12.1	20.0	24.5	30.2	29.3	15.7	65.1
TOTAL	12.1	0.3	0.0	0.0	0.0	0.5	4.5	12.9	19.8	17.0	34.1	32.8	48.8	46.0	23.0	75.8
MOTOR VEHICLE ACCIDENTS (810-825)																
MALE	19.5	4.0	3.1	5.1	33.5	36.9	17.5	9.7	14.8	7.9	9.6	20.6	23.0	22.8	17.0	114.4
FEMALE	7.0	1.8	1.6	4.0	15.7	8.6	4.2	2.8	6.5	5.5	4.8	8.6	8.1	5.3	8.5	27.9
TOTAL	12.9	3.0	2.4	4.6	24.6	22.5	10.7	6.1	10.5	6.6	7.1	14.1	14.4	12.3	11.3	51.4
SUICIDES (950-959) HOMICIDES (960-969)																
MALE	20.7	2.3	2.1	1.7	18.2	33.9	31.4	21.0	14.8	26.3	17.9	23.0	16.0	26.9	18.3	79.6
FEMALE	5.4	0.0	0.5	1.8	2.6	8.5	8.4	4.8	4.3	6.7	8.5	7.9	4.4	4.4	3.3	7.4
TOTAL	12.7	1.2	1.3	1.7	10.4	20.9	19.6	12.6	9.3	16.1	12.9	14.8	9.3	13.4	8.3	27.1
ALL OTHER ACCIDENTS (800-807,826-949)																
MALE	24.8	12.7	4.7	5.1	12.0	20.2	21.9	20.2	17.9	22.4	28.2	25.3	37.1	61.8	61.3	621.7
FEMALE	15.7	6.1	4.4	1.8	5.9	3.8	4.4	10.3	9.3	9.1	11.5	11.9	12.5	42.6	26.1	394.0
TOTAL	20.0	9.5	4.5	3.5	8.9	11.8	13.0	15.1	13.4	15.5	19.3	18.0	22.9	50.2	37.8	456.0
ALL MASSACHUSETTS RESIDENT DEATHS																
MALE	984.8	271.6	16.2	21.2	84.4	127.8	166.7	299.2	490.5	736.8	1288.4	2096.2	3367.0	5126.0	4902.3	35813.4
FEMALE	906.7	202.8	16.9	16.0	35.8	43.0	83.0	193.2	271.1	416.1	659.6	1096.9	1621.6	2677.0	2436.3	24438.2
TOTAL	943.9	238.1	16.5	18.6	60.2	84.5	123.9	243.9	376.5	569.8	954.0	1552.0	2361.2	3651.6	3258.1	27532.9

TABLE C-8A
DEATHS BY UNDERLYING CAUSE AND MENTIONED CONDITIONS
1983

UNDERLYING CAUSE	TOTAL DEATHS	1	2	3	4	5	6	7	8	9	10	11	12	13	TOTAL 1-13	RATIO OF MENTIONS TO DEATHS
1. MALIGNANT NEOPLASM (140-208)	12,898	17,437*	394	3,188	268	93	735	565	462	71	3	246	0	6,436	29,898	2.32
2. DIABETES MELLITUS (250)	906	30	919*	912	191	80	56	20	32	7	1	29	0	626	2,903	3.20
3. DISEASES OF THE HEART (390-398, 402, 404-429)	21,186	1,178	1,771	35,613*	1,577	1,502	815	1,087	866	124	20	558	0	8,925	54,036	2.55
4. CEREBROVASCULAR DISEASE (430-438)	3,697	166	316	1,183	4,167*	553	345	68	182	19	1	124	0	2,283	9,407	2.54
5. ATHEROSCLEROSIS (440)	662	36	25	289	0	662	55	24	41	4	1	31	0	390	1,558	2.35
6. PNEUMONIA & INFLUENZA (480-487)	1,902	182	113	814	210	64	1,905*	88	62	18	1	30	0	1,448	4,935	2.59
7. CHRONIC OBSTRUCTIVE PULMONARY DISEASE (490-496)	1,705	144	53	960	58	28	308	1,715*	134	26	1	57	1	1,420	4,905	2.88
8. OTHER RESPIRATORY DISEASE (460-466, 470-478, 500-508, 510-519)	598	65	26	320	22	7	21	44	643*	8	1	50	0	529	1,736	2.90

TABLE C-8A (continued)
DEATHS BY UNDERLYING CAUSE AND MENTIONED CONDITIONS
1983

UNDERLYING CAUSE	TOTAL DEATHS	1	2	3	4	5	6	7	8	9	10	11	12	13	TOTAL 1-13	RATIO OF MENTIONS TO DEATHS
9. CHRONIC LIVER DISEASE & CIRRHOSIS (571)	692	24	41	174	6	7	35	21	36	702*	0	17	0	1,022	2,085	3.01
10. MOTOR VEHICLE ACCIDENTS (810-825)	742	5	4	51	7	0	5	4	7	3	741	3	0	1,753	2,583	3.48
11. OTHER ACCIDENTS (800-809, 826-949)	1,149	24	29	318	33	16	40	27	45	14	0	1184*	0	2,201	3,931	3.42
12. SUICIDE AND HOMICIDE (950-969)	726	16	5	16	0	0	8	2	8	1	0	5	732*	1,238	2,031	2.80
13. ALL OTHER CAUSES	7,287	390	331	3,150	402	204	583	217	495	113	4	448	2	14,929*	21,668	2.92
TOTAL	52,150	19,697	4,027	46,988	6,941	3,216	4,911	3,882	3,013	1,110	774	2782	735	43,200	141,276	2.61

*MENTIONED CAUSES EXCEED UNDERLYING CAUSES DUE TO RELATED ENTITIES.

TABLE C-8B
DEATHS DUE TO MALIGNANT NEOPLASMS BY UNDERLYING CAUSE AND MENTIONED CONDITIONS
1983

	UNDERLYING CAUSE						
MENTIONED CONDITIONS	DIGESTIVE ORGANS & PERITONEUM (150-159)	RESPIRATORY & INTRATHORACIC ORGANS (160-165)	BONE, CONNECTIVE TISSUE, SKIN & BREAST (170-175)	GENITO-URINARY ORGANS (179-189)	LYMPHATIC & HAEMATOPOIETIC TISSUE (200-208)	ALL OTHER MALIGNANT NEOPLASMS	TOTAL
DEATHS	3,517	3,131	1,576	1,967	1,084	1,623	12,898
1. MALIGNANT NEOPLASMS (140-208)	4,868	4,156	2,380	2,693	1,209	2,131	17,437
2. DIABETES MELLITUS (250)	134	76	41	65	32	46	394
3. DISEASES OF THE HEART (390-398, 402, 404-429)	820	753	368	525	304	418	3,188
4. CEREBROVASCULAR DISEASE (430-438)	59	54	35	44	47	29	268
5. ATHEROSCLEROSIS (440)	24	30	9	11	8	11	93
6. PNEUMONIA & INFLUENZA (480-487)	133	245	72	72	122	91	735
7. CHRONIC OBSTRUCTIVE PULMONARY DISEASE (490-496)	83	326	24	51	31	50	565
8. OTHER RESPIRATORY DISEASE (460-466, 470-478, 500-508, 510-519)	89	164	48	54	37	70	462
9. CHRONIC LIVER DISEASE & CIRRHOSIS (571)	34	13	4	5	1	14	71
10. ACCIDENTS (E800-E949)	78	54	23	46	26	22	249
ALL OTHER CAUSES	1,760	1,378	665	1,056	809	768	6,436
TOTAL MENTIONED COND.	8,082	7,249	3,669	4,622	2,626	3,650	29,898
MEAN NUMBER OF MENTIONED CONDITION PER RECORD	2.30	2.32	2.33	2.35	2.42	2.25	2.32

TABLE C-9
ARTHEROSCLEROSIS, HYPERTENSIVE DISEASE AND DIABETES--
UNDERLYING CAUSE AND MENTIONED CONDITIONS BY AGE GROUP AND SEX
1983

AGE	SEX	# OF DEATHS	ATHEROSCLEROSIS (440)			HYPERTENSIVE DISEASE (401-405)			DIABETES MELLITUS (250)		
			UNDERLYING CAUSE	MENTIONED COND.	TOTAL % OF DEATHS	UNDERLYING CAUSE	MENTIONED COND.	TOTAL % OF DEATHS	UNDERLYING CAUSE	MENTIONED COND.	TOTAL % OF DEATHS
0-39	MALE	2,083	1	7	8 0.4	5	11	16 0.8	15	9	24 1.2
	FEMALE	1,064	0	2	2 0.2	0	3	3 0.3	7	11	18 1.7
	TOTAL	3,147	1	9	10 0.3	5	14	19 0.6	22	20	42 1.3
40-49	MALE	1,030	0	22	22 2.1	6	45	51 5.0	13	28	41 4.0
	FEMALE	658	1	7	8 1.2	3	15	18 2.7	10	16	26 4.0
	TOTAL	1,688	1	29	30 1.8	9	60	69 4.1	23	44	67 4.0
50-59	MALE	2,996	3	57	60 2.1	24	148	172 5.7	33	137	170 5.7
	FEMALE	1,778	4	21	25 1.4	16	81	97 5.5	24	96	120 6.7
	TOTAL	4,774	7	78	85 1.8	40	229	269 5.6	57	233	290 6.1
60-69	MALE	6,009	16	180	196 3.3	54	288	342 5.7	90	353	443 7.4
	FEMALE	3,858	13	108	121 3.1	39	208	247 6.3	99	280	379 9.8
	TOTAL	9,867	29	288	317 3.2	93	496	589 6.0	189	633	822 8.3

TABLE C-9 (continued)
ARTHEROSCLEROSIS, HYPERTENSIVE DISEASE AND DIABETES-- UNDERLYING CAUSE AND MENTIONED CONDITIONS BY AGE GROUP AND SEX
1983

			ATHEROSCLEROSIS (440)			HYPERTENSIVE DISEASE (401-405)			DIABETES MELLITUS (250)		
AGE	SEX	# OF DEATHS	UNDER-LYING CAUSE	MEN-TIONED COND.	TOTAL % OF DEATHS	UNDER-LYING CAUSE	MEN-TIONED COND.	TOTAL % OF DEATHS	UNDER-LYING CAUSE	MEN-TIONED COND.	TOTAL % OF DEATHS
70-79	MALE	7,574	43	301	344 4.5	67	335	402 5.3	125	463	568 7.8
	FEMALE	6,751	57	249	306 4.5	93	446	539 8.0	169	574	743 11.0
	TOTAL	14,325	100	550	650 4.5	160	781	941 6.6	294	1037	1,331 9.3
80 & OVER	MALE	7,201	117	489	606 8.4	67	233	300 4.2	97	382	479 6.7
	FEMALE	13,148	407	1,111	1,518 11.5	233	745	968 7.4	224	759	983 7.5
	TOTAL	20,349	524	1,600	2,124 10.4	290	998	1,268 6.2	321	1,141	1,462 7.2
TOTAL	MALE	26,893	180	1,056	1,236 4.6	223	1,060	1,283 4.8	373	1,372	1,745 6.5
TOTAL	FEMALE	27,257	482	1,498	1,980 7.3	374	1,498	1,872 6.9	533	1,736	2,369 8.7
GRAND	TOTAL*	54,150	662	2,554	3,216 5.9	597	2,558	3,155 5.8	906	3,108	4,104 7.6

*TOTAL INCLUDES ONE DEATH OF UNKNOWN SEX AND SEVEN OF UNKNOWN AGE.

TABLE C-10
SUICIDES BY CAUSE, SEX AND AGE, MASSACHUSETTS RESIDENTS
1983

		TOTAL	10-14	15-19	20-29	30-39	40-49	50-59	60-69	70-79	80+
POISONING BY SOLID OR LIQUID SUBSTANCE (E950)	M	35	0	1	14	7	3	5	2	2	1
	F	30	0	2	3	5	3	7	6	2	2
	T	65	0	3	17	12	6	12	8	4	3
	%	12.3		7.6	11.8	10.4	14.0	16.2	16.0	10.0	15.8
POISONING BY GASES AND VAPORS (NOT DOMESTIC GAS)(E952)	M	56	0	4	11	14	4	9	5	6	3
	F	8	0	1	0	1	2	2	1	1	0
	T	64	0	5	11	15	6	11	6	7	3
	%	12.1		12.8	7.6	12.9	14.0	14.8	12.0	17.5	15.8
HANGING, STRANGULATION AND SUFFOCATION (E953)	M	144	2	13	44	29	9	24	11	8	3
	F	39	1	1	13	10	4	5	2	3	1
	T	183	3	14	57	39	13	29	13	11	4
	%	34.6	75.0	35.9	39.5	33.6	30.2	39.2	26.0	27.5	21.0
SUBMERSION (DROWNING) (E954)	M	7	0	1	1	1	1	1	1	1	0
	F	6	0	0	1	3	0	0	1	1	0
	T	13	0	1	2	4	1	1	2	2	0
	%	2.5		2.6	1.4	3.4	2.3	1.4	4.0	5.0	
FIREARMS AND EXPLOSIVES (E955)	M	143	1	14	39	33	11	11	14	15	5
	F	13	0	0	5	2	1	2	2	1	0
	T	156	1	14	44	35	12	13	16	16	5
	%	29.5	25.0	35.9	30.6	30.2	27.9	17.6	32.0	40.0	26.3
CUTTING AND PIERCING INSTRUMENTS (E956)	M	10	0	0	2	3	1	1	2	0	1
	F	2	0	0	0	0	0	2	0	0	0
	T	12	0	0	2	3	1	3	2	0	1
	%	2.3			1.4	2.6	2.3	4.0	4.0		5.3
JUMPING FROM HIGH PLACES (E957)	M	15	0	1	4	5	0	2	1	0	1
	F	7	0	0	2	2	0	2	0	0	1
	T	22	0	1	6	7	0	5	1	0	2
	%	4.1		2.6	4.2	6.0		6.8	2.0		10.5
OTHER AND UNSPECIFIED MEANS (E958)	M	12	0	0	5	0	4	0	2	0	1
	F	2	0	1	0	1	0	0	0	0	0
	T	14	0	1	5	1	4	0	0	0	1
	%	2.6		2.6	3.5	0.9	9.3		4.0		5.3
ALL SUICIDES	M	420	3	35	120	91	33	53	38	32	15
	F	109	1	4	24	25	10	21	12	8	4
	T	529	4	39	144	116	43	74	50	40	19
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE C-11
MOTOR VEHICLE ACCIDENTS BY TYPE, MASSACHUSETTS RESIDENTS
1983

TYPE OF ACCIDENT		- VICTIM -							
		DRIVER	PASSENGER	MOTORCYCLIST	PASSENGER, MOTORCYCLE	PEDESTRIAN	PEDAL CYCLIST	OTHER & UNSPEC-IFIED	TOTAL
COLLISION WITH ANOTHER MOTOR VEHICLE (E812)	M	78	27	30	4	0	0	13	152
	F	28	33	1	2	0	0	7	71
	T	106	60	31	6	0	0	20	223
	%	39.0	43.8	46.3	46.1	0.0	0.0	30.8	30.1
COLLISION WITH ANOTHER VEHICLE (E813)	M	0	0	0	0	1	12	0	13
	F	0	0	0	0	0	4	0	4
	T	0	0	0	0	1	16	0	17
	%	0.0	0.0	0.0	0.0	0.6	100.0	0.0	2.3
MOTOR VEHICLE WITH PEDESTRIAN (E814)	M	0	0	0	0	111	0	0	111
	F	0	0	0	0	60	0	0	60
	T	0	0	0	0	171	0	0	171
	%	0.0	0.0	0.0	0.0	98.8	0.0	0.0	23.1
OTHER MOTOR VEHICLE ACCIDENT HIGHWAY COLLISION (E815)	M	101	33	21	3	0	0	8	166
	F	26	19	1	2	0	0	3	51
	T	127	52	22	5	0	0	11	217
	%	46.9	38.0	32.8	38.5	0.0	0.0	16.9	29.3
LOST CONTROL WITHOUT COLLISION (E816)	M	26	7	10	2	0	0	4	49
	F	5	4	0	0	0	0	0	9
	T	31	11	10	2	0	0	4	58
	%	11.4	8.0	14.9	15.4	0.0	0.0	6.2	7.8
OTHER NON-COLLISION MOTOR VEHICLE (E818)	M	3	6	1	0	0	0	4	14
	F	1	4	0	0	0	0	2	7
	T	4	10	1	0	0	0	6	21
	%	1.5	7.3	1.5	0.0	0.0	0.0	9.2	2.8
MOTOR VEHICLE OF UNSPECIFIED NATURE (E819)	M	1	2	0	0	0	0	14	17
	F	0	2	0	0	0	0	5	7
	T	1	4	0	0	0	0	19	24
	%	0.4	2.9	0.0	0.0	0.0	0.0	29.2	3.2

TABLE C-11 (continued)
MOTOR VEHICLE ACCIDENTS BY TYPE, MASSACHUSETTS RESIDENTS
1983

		- VICTIM -							
TYPE OF ACCIDENT		DRIVER	PASSENGER	MOTORCYCLIST	PASSENGER, MOTORCYCLE	PEDESTRIAN	PEDAL CYCLIST	OTHER & UNSPEC-IFIED	TOTAL
NONTRAFFIC MOTOR DRIVEN SNOW VEHICLE (E820)	M	0	0	0	0	0	0	1	1
	F	0	0	0	0	0	0	0	0
	T	0	0	0	0	0	0	1	1
	%	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.1
NONTRAFFIC OTHER OFF-ROAD VEHICLE (E821)	M	1	0	0	0	0	0	2	3
	F	0	0	0	0	0	0	0	0
	T	1	0	0	0	0	0	2	3
	%	0.4	0.0	0.0	0.0	0.0	0.0	3.1	0.4
OTHER MOTOR VEHICLE NONTRAFFIC COLLISION WITH MOVING OBJECT (E822)	M	0	0	0	0	1	0	0	1
	F	0	0	0	0	0	0	0	0
	T	0	0	0	0	1	0	0	1
	%	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.1
OTHER MOTOR VEHICLE NONTRAFFIC COLLISION WITH STATIONARY OBJECT (E823)	M	0	0	2	0	0	0	0	2
	F	0	0	0	0	0	0	0	0
	T	0	0	2	0	0	0	0	2
	%	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.3
OTHER MOTOR VEHICLE NONTRAFFIC OTHER & UNSPECIFIED NATURE (E825)	M	1	0	1	0	0	0	2	4
	F	0	0	0	0	0	0	0	0
	T	1	0	1	0	0	0	2	4
	%	0.4	0.0	1.5	0.0	0.0	0.0	3.1	0.5
TOTAL	M	211	75	65	9	113	12	48	533
	F	60	62	2	4	60	4	17	209
	T	271	137	67	13	173	16	65	742
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE C-12
MEDICAL EXAMINER CERTIFIED DEATHS BY CAUSE, SEX, RACE AND AGE, MASSACHUSETTS OCCURRENCE
1983

AGE	RACE/SEX	- CAUSE -							
		MOTOR VEHICLE ACCIDENTS (810-823)	ALL OTHER ACCIDENTS (800-807, 825-949)	SUICIDE (950-959)	HOMICIDE (960-969)	LGL INTERVENTION/ UNDET INJURY (970-999)	NON-VIOLENT CAUSES (000-778)	ILL-DEF AND UNK CAUSES (780-796)	TOTAL DEATHS CERT. BY M.E.
TOTAL	WHITE M	502	507	400	105	45	5,918	160	7,637
	WHITE F	196	299	107	40	14	4,387	99	5,142
	NON-W M	19	33	13	42	3	180	28	318
	NON-W F	7	20	2	9	1	117	14	170
	TOTAL	724	859	522	196	63	10,603*	301	13,268*
<1	WHITE M	1	3	0	4	0	18	60	86
	WHITE F	0	1	0	0	0	15	21	37
	NON-W M	0	1	0	1	0	2	10	14
	NON-W F	0	1	0	0	0	0	5	6
	TOTAL	1	6	0	5	0	35	96	143
1-4	WHITE M	5	16	0	0	0	12	1	34
	WHITE F	2	10	0	0	0	6	2	20
	NON-W M	1	1	0	1	0	1	0	4
	NON-W F	0	0	0	0	0	4	3	7
	TOTAL	8	27	0	1	0	23	6	65
5-9	WHITE M	6	7	0	4	0	2	0	19
	WHITE F	3	3	0	1	0	4	1	12
	NON-W M	0	2	0	0	0	0	0	2
	NON-W F	1	4	0	0	0	1	0	6
	TOTAL	10	16	0	5	0	7	1	39
10-14	WHITE M	11	9	4	0	1	8	1	34
	WHITE F	8	6	1	2	0	2	0	19
	NON-W M	2	3	0	1	0	0	0	6
	NON-W F	1	1	0	0	0	0	0	2
	TOTAL	22	19	5	3	1	10	1	61
15-19	WHITE M	83	31	33	8	1	16	5	177
	WHITE F	44	11	3	3	0	8	3	72
	NON-W M	2	1	3	6	1	0	0	13
	NON-W F	1	1	0	0	0	1	0	3
	TOTAL	130	44	39	17	2	25	8	265
20-29	WHITE M	171	90	111	35	14	47	19	487
	WHITE F	41	18	24	16	4	28	12	143
	NON-W M	9	4	3	16	0	5	4	41
	NON-W F	2	2	0	5	1	1	4	15
	TOTAL	223	114	138	72	19	81	39	686
30-39	WHITE M	71	69	85	25	19	130	21	420
	WHITE F	15	13	24	7	2	51	14	126
	NON-W M	1	6	3	8	1	12	11	42
	NON-W F	0	2	1	2	0	9	1	15
	TOTAL	87	90	113	42	22	202	47	603
40-44	WHITE M	15	26	22	6	1	128	8	206
	WHITE F	4	14	6	0	2	47	4	77
	NON-W M	0	2	0	2	0	5	0	9
	NON-W F	0	1	0	1	0	6	0	8
	TOTAL	19	43	28	9	3	186	12	300
45-49	WHITE M	19	16	12	7	1	199	8	262
	WHITE F	7	10	4	1	1	79	3	105
	NON-W M	0	0	0	0	0	14	2	16
	NON-W F	1	0	0	0	0	2	1	4
	TOTAL	27	26	16	8	2	294	14	387

TABLE C-12 (continued)
MEDICAL EXAMINER CERTIFIED DEATHS BY CAUSE, SEX, RACE AND AGE, MASSACHUSETTS OCCURRENCE
1983

AGE	RACE/SEX	- CAUSE -							
		MOTOR VEHICLE ACCIDENTS (810-823)	ALL OTHER ACCIDENTS (800-807, 825-949)	SUICIDE (950-959)	HOMICIDE (960-969)	LEG INTER-VENTION/ UNDET INJURY (970-999)	NON-VIOLENT CAUSES (000-778)	ILL-DEF AND UNK CAUSES (780-796)	TOTAL DEATHS CERT. BY M.E.
50-54	WHITE M	13	27	29	7	2	356	10	444
	WHITE F	10	13	9	1	0	115	7	155
	NON-W M	0	3	1	2	0	19	0	25
	NON-W F	0	2	0	0	0	8	0	10
	TOTAL	23	45	39	10	2	498	17	634
55-59	WHITE M	9	29	22	4	2	606	5	677
	WHITE F	8	16	10	3	0	232	6	275
	NON-W M	1	2	0	0	0	22	0	25
	NON-W F	0	1	1	0	0	11	0	13
	TOTAL	18	48	33	7	2	871	11	990
60-64	WHITE M	23	24	21	2	0	783	5	858
	WHITE F	12	12	11	2	1	331	2	371
	NON-W M	2	3	1	4	1	26	1	38
	NON-W F	1	0	0	0	0	15	0	16
	TOTAL	38	39	33	8	2	1,155	8	1,283
65-69	WHITE M	21	29	15	1	2	881	5	954
	WHITE F	9	12	2	3	2	432	3	463
	NON-W M	0	0	1	0	0	17	0	18
	NON-W F	0	0	0	0	0	13	0	13
	TOTAL	30	41	18	4	4	1,344	8	1,449
70-74	WHITE M	17	34	20	0	1	859	5	936
	WHITE F	7	29	6	0	0	612	6	660
	NON-W M	0	2	1	0	0	17	0	20
	NON-W F	0	1	0	0	0	9	0	10
	TOTAL	24	66	27	0	1	1,497	11	1,626
75-79	WHITE M	13	26	11	2	1	779	3	835
	WHITE F	11	23	3	1	0	687	4	729
	NON-W M	1	1	0	0	0	16	0	18
	NON-W F	0	1	0	1	0	12	0	14
	TOTAL	25	51	14	4	1	1,494	7	1,596
80+	WHITE M	24	71	15	0	0	1,089	4	1,203
	WHITE F	15	108	4	0	2	1,738	11	1,878
	NON-W M	0	2	0	0	0	23	0	25
	NON-W F	0	3	0	0	0	25	0	28
	TOTAL	39	184	19	0	2	2,875	15	3,134
UNKWN	WHITE M	0	0	0	0	0	5	0	5
	WHITE F	0	0	0	0	0	0	0	0
	NON-W M	0	0	0	1	0	1	0	2
	NON-W F	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	1	0	6	0	7

*TOTAL INCLUDES ONE MALE OF UNKNOWN RACE.

TABLE C-13
MEDICAL EXAMINER CERTIFIED DEATHS BY COUNTY
1983

COUNTY	POPULATION NUMBER/ PERCENT/ RANK	OCCURRENCE DEATHS NUMBER/ PERCENT/ RANK	MEDICAL EXAMINER NUMBER/ PERCENT/ RANK	% OF OCCURRENCE DEATHS	REFERRED BUT NOT CERTIFIED BY MED. EXAMINER	NONVIOLENT DEATHS CERTIFIED BY MED. EXAMINER	% OF MEDICAL EXAMINER DEATHS NON-VIOLENT
BARNSTABLE	147,925 2.6 9	1,768 3.2 9	557 4.2 9	32%	35	473	85%
BERKSHIRE	145,110 2.5 10	1,569 2.9 10	345 2.6 10	22%	67	281	81%
BRISTOL	474,641 8.3 6	4,332 7.9 7	1,455 11.0 3	34%	78	1,247	86%
DUKES	8,942 0.2 13	101 0.2 13	33 0.2 13	33%	1	27	82%
ESSEX	633,632 11.0 4	6,044 11.0 4	1,587 12.0 2	26%	80	1,308	82%
FRANKLIN	64,317 1.1 11	538 1.0 12	122 0.9 12	23%	22	91	75%
HAMPDEN	443,018 7.7 7	4,670 8.5 5	1,240 9.3 5	27%	187	990	80%
HAMPSHIRE	138,813 2.4 12	844 1.5 11	215 1.6 11	25%	65	172	80%

TABLE C-13 (continued)
MEDICAL EXAMINER CERTIFIED DEATHS BY COUNTY
1983

COUNTY	POPULATION NUMBER/ PERCENT/ RANK	OCCURRENCE DEATHS NUMBER/ PERCENT/ RANK	MEDICAL EXAMINER NUMBER/ PERCENT/ RANK	% OF OCCURRENCE DEATHS	REFERRED BUT NOT CERTIFIED BY MED. EXAMINER	NONVIOLENT DEATHS CERTIFIED BY MED. EXAMINER	% OF MEDICAL EXAMINER DEATHS NON-VIOLENT
MIDDLESEX	1,367,034 23.8 1	11,090 20.3 1	3,133 23.6 1	28%	684	2,664	85%
NANTUCKET	5,087 0.1 14	59 0.1 14	8 0.1 14	14%	1	5	63%
NORFOLK	606,587 10.6 5	4,468 8.2 6	942 7.1 8	21%	300	770	82%
PLYMOUTH	405,437 7.1 8	2,981 5.4 8	1,074 8.1 7	36%	86	885	82%
SUFFOLK	650,142 11.3 2	10,053 18.4 2	1,178 8.9 6	12%	1,948	657	56%
WORCESTER	646,352 11.3 3	6,225 11.4 3	1,379 10.4 4	22%	525	983	71%
TOTAL	5,737,037 100.0 NA	54,742 100.0 NA	13,268 100.0 NA	24%	4,079	10,603	80%

TABLE C-14A
SELECTED CAUSES OF DEATH BY CITY AND TOWN OF RESIDENCE
1983

	HEART DISEASES (390-398, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
ABINGTON	55	32	4	3	3	3	8	4	2	3	1	18	136
ACTON	24	19	11	3	3	5	6	0	1	2	0	16	90
ACUSHNET	27	21	6	2	2	1	3	3	2	2	0	14	83
ADAMS	65	31	8	1	2	3	4	3	1	1	3	18	140
AGAWAM	87	46	13	2	3	6	9	4	1	6	4	32	213
ALFORD	0	0	1	0	0	0	0	0	0	0	0	0	1
AMESBURY	71	36	11	2	1	10	5	0	0	3	4	19	162
AMHERST	42	20	12	1	1	2	2	1	0	0	1	19	101
ANDOVER	70	43	15	3	1	6	4	4	3	3	1	22	175
ARLINGTON	209	128	42	4	10	29	23	6	3	3	2	94	553
ASHBURNHAM	14	6	[illegible]	3	2	1	0	0	1	0	0	4	34
ASHBY	3	5	2	1	1	0	1	0	1	0	0	1	15
ASHFIELD	9	2	0	0	0	1	0	1	0	0	1	0	14
ASHLAND	23	19	8	2	3	1	2	1	0	0	1	9	69
ATHOL	48	36	7	0	4	2	7	2	3	2	1	[illegible]	121
ATTLEBORO	145	70	35	8	1	13	12	5	4	1	3	38	335
AUBURN	43	31	10	4	2	2	6	2	1	1	1	19	122
AVON	11	4	2	0	0	1	3	0	0	0	0	2	23
AYER	29	11	5	3	0	2	3	1	1	0	0	9	64
BARNSTABLE	136	102	39	6	10	11	10	6	8	11	7	45	391
BARRE	14	10	3	2	0	1	3	0	2	1	1	9	46
BECKET	4	1	0	1	0	1	0	0	0	0	0	1	8
BEDFORD	32	28	3	0	6	5	2	2	0	1	3	16	98
BELCHERTOWN	24	15	2	0	2	4	2	1	0	0	1	12	63
BELLINGHAM	35	18	5	2	3	1	2	0	2	0	2	11	81
BELMONT	120	72	17	3	10	9	17	2	2	0	3	50	305
BERKLEY	10	5	1	1	0	0	1	0	0	1	0	0	19
BERLIN	4	3	1	0	0	0	0	0	0	0	0	4	12
BERNARDSTON	8	2	3	1	0	2	2	0	0	0	0	3	21
BEVERLY	124	73	21	2	4	13	14	9	3	2	4	50	319
BILLERICA	62	50	10	3	2	5	8	5	1	4	4	28	182
BLACKSTONE	28	13	1	1	1	1	2	3	1	0	0	9	60
BLANDFORD	2	3	0	0	0	0	1	0	0	0	1	0	7
BOLTON	5	2	0	1	1	0	1	0	0	1	0	0	11
BOSTON	2214	1257	286	43	156	220	155	100	73	42	52	1099	5697
BOURNE	64	21	12	4	2	2	2	0	0	2	1	14	124
BOXBOROUGH	3	3	2	1	0	0	0	0	0	0	0	4	13
BOXFORD	7	9	3	1	1	1	0	0	0	0	1	3	26
BOYLSTON	9	5	1	1	0	1	2	0	0	0	0	4	23
BRAINTREE	141	91	35	0	4	9	17	5	5	2	5	45	359

BREWSTER	27	14	5	0	1	1	0	1	1	6	1	9	66
BRIDGEWATER	34	22	4	4	0	7	1	5	1	0	4	14	96
BRIMFIELD	10	4	6	0	0	0	0	1	0	0	0	3	24
BROCKTON	369	208	70	11	27	44	26	11	19	6	6	142	939
BROOKFIELD	5	9	0	1	0	0	1	0	0	0	0	0	16
BROOKLINE	231	151	30	5	12	25	11	8	7	2	8	87	577
BUCKLAND	7	5	0	0	1	0	0	1	0	0	0	0	14
BURLINGTON	36	33	5	4	3	4	7	0	1	1	0	17	111
CAMBRIDGE	291	202	49	7	19	30	23	14	11	2	9	159	816
CANTON	64	34	6	3	2	10	1	4	2	1	2	16	145
CARLISLE	4	4	1	1	1	1	0	0	0	0	0	3	15
CARVER	23	12	2	1	0	2	0	0	2	0	1	6	49
CHARLEMONT	3	2	0	0	0	2	0	0	0	0	0	0	7
CHARLTON	31	15	6	2	0	1	0	2	0	0	1	5	63
CHATHAM	33	27	5	0	1	1	1	2	2	5	0	6	83
CHELMSFORD	78	65	17	3	1	4	8	4	1	9	3	20	213
CHELSEA	153	85	18	6	8	15	11	8	7	2	1	76	390
CHESHIRE	10	6	2	1	0	0	1	1	0	0	0	6	27
CHESTER	5	2	2	0	0	1	0	1	0	0	0	2	13
CHESTERFIELD	7	1	0	0	0	0	0	0	0	0	0	1	9
CHICOPEE	251	154	49	8	13	19	17	11	11	7	6	61	607
CHILMARK	2	0	2	0	0	1	0	0	0	0	0	0	5
CLARKSBURG	7	1	1	0	0	0	0	1	0	0	1	4	15
CLINTON	54	38	11	3	2	7	6	1	1	2	1	22	148
COHASSET	27	15	8	0	5	2	5	2	0	0	0	12	76
COLRAIN	3	4	1	0	0	1	1	1	0	0	0	1	12
CONCORD	50	28	4	1	3	6	0	3	0	0	1	23	119
CONWAY	0	1	0	0	0	1	1	1	0	0	0	1	5
CUMMINGTON	3	0	1	0	0	0	0	0	0	1	0	3	8
DALTON	22	20	1	0	2	4	2	0	1	0	0	11	63
DANVERS	86	59	27	4	2	11	9	6	4	3	3	40	254
DARTMOUTH	104	74	27	3	2	3	5	4	1	3	3	26	255
DEDHAM	82	68	14	0	4	16	4	2	3	2	2	47	244
DEERFIELD	13	6	2	1	1	2	2	0	1	0	0	0	28
DENNIS	72	47	18	2	2	4	6	5	3	8	2	23	192
DIGHTON	16	14	4	2	1	0	1	0	2	1	0	6	47
DOUGLAS	13	7	2	3	0	0	2	0	0	0	0	5	32
DOVER	12	8	1	0	2	2	1	1	0	0	0	6	33
DRACUT	67	43	8	3	1	6	5	5	4	7	2	27	178
DUDLEY	27	15	2	2	0	4	1	3	0	0	0	9	63
DUNSTABLE	3	3	1	0	0	0	1	0	0	0	0	3	11
DUXBURY	21	19	7	1	4	3	2	3	0	0	0	10	70
EAST BRIDGEWATER	24	20	5	1	3	3	1	0	1	1	1	15	75
EAST BROOKFIELD	2	2	1	0	0	1	0	0	0	1	0	5	12
EAST LONGMEADOW	34	28	9	3	1	4	6	1	3	5	0	20	114
EASTHAM	14	11	2	2	0	0	0	0	0	2	1	4	36
EASTHAMPTON	64	36	9	5	10	5	3	1	1	1	6	21	162
EASTON	46	17	4	4	0	5	4	0	1	1	2	21	105
EDGARTOWN	10	10	4	0	1	0	1	0	0	0	1	3	30
EGREMONT	2	3	2	0	0	1	2	0	0	0	0	0	10

TABLE C-14A (CONTINUED)
SELECTED CAUSES OF DEATH BY CITY AND TOWN OF RESIDENCE
1983

	HEART DISEASES (390-398, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
ERVING	4	4	1	0	0	0	0	0	0	0	1	2	12
ESSEX	13	9	1	0	0	0	3	0	0	0	0	1	27
EVERETT	165	88	29	2	13	6	19	10	10	4	2	55	403
FAIRHAVEN	75	45	14	3	5	8	8	7	2	7	1	21	196
FALL RIVER	457	248	109	11	18	21	39	20	22	23	5	112	1085
FALMOUTH	96	66	24	2	5	11	4	2	4	4	0	30	248
FITCHBURG	179	113	27	7	11	14	19	10	5	3	7	45	440
FLORIDA	2	0	0	0	0	0	0	0	1	0	0	1	4
FOXBOROUGH	45	24	12	4	0	5	4	0	0	0	2	13	109
FRAMINGHAM	229	123	40	12	11	26	14	9	9	3	7	85	569
FRANKLIN	43	27	6	2	5	1	2	1	1	0	2	11	101
FREETOWN	16	13	6	1	0	0	2	0	0	1	0	10	49
GARDNER	81	46	15	2	5	0	6	3	4	3	2	33	200
GAY HEAD	0	1	0	0	0	0	0	0	0	0	0	0	1
GEORGETOWN	15	12	2	0	1	0	2	1	1	1	0	10	45
GILL	5	3	1	0	0	1	1	0	0	1	1	0	13
GLOUCESTER	98	65	23	3	9	7	12	4	5	4	3	47	280
GOSHEN	1	1	0	0	0	0	0	0	0	0	0	1	3
GOSNOLD	0	1	0	0	0	0	0	0	0	0	0	0	1
GRAFTON	32	17	5	0	1	5	3	1	2	1	0	11	78
GRANBY	15	8	3	1	1	3	2	0	3	0	2	5	43
GRANVILLE	3	3	0	0	2	0	0	0	0	0	0	1	9
GREAT BARRINGTON	31	25	17	0	2	5	4	0	0	8	1	14	107
GREENFIELD	75	51	18	5	6	17	6	5	0	1	2	38	224
GROTON	11	8	4	1	3	0	1	0	1	0	1	5	35
GROVELAND	3	3	0	1	1	0	0	0	1	2	0	1	12
HADLEY	11	5	1	0	0	0	2	1	0	0	0	2	22
HALIFAX	14	15	3	1	0	2	0	2	1	0	0	4	42
HAMILTON	15	8	2	1	0	2	2	1	0	0	1	5	37
HAMPDEN	16	4	1	0	1	1	2	1	1	0	0	6	33
HANCOCK	1	1	1	0	0	0	0	0	0	0	0	0	3
HANOVER	36	17	6	0	2	2	1	1	1	0	2	10	78
HANSON	24	10	3	0	3	0	2	0	0	0	0	8	50
HARDWICK	8	3	2	0	0	0	0	1	1	1	0	4	20
HARVARD	11	11	0	0	0	0	1	0	0	0	0	5	28
HARWICH	42	34	12	1	3	4	2	2	0	10	1	15	126
HATFIELD	9	10	1	0	0	1	0	0	1	0	0	0	22
HAVERHILL	217	113	40	8	13	25	11	9	4	11	5	100	556
HAWLEY	1	0	0	0	0	0	0	0	0	0	0	1	2
HEATH	3	2	2	0	0	0	0	0	0	0	0	0	7

HINGHAM	57	42	7	4	4	8	2	2	0	2	2	24	154
HINSDALE	11	3	3	0	1	1	0	1	0	0	0	6	26
HOLBROOK	31	32	4	1	3	0	4	1	0	0	0	12	88
HOLDEN	49	26	7	1	2	4	2	1	0	2	2	22	118
HOLLAND	3	5	0	0	0	0	0	0	0	0	1	1	10
HOLLISTON	18	13	4	2	2	4	0	1	0	0	1	12	57
HOLYOKE	229	142	45	8	20	20	13	10	15	2	1	84	589
HOPEDALE	22	11	4	0	2	2	1	0	0	0	0	7	49
HOPKINTON	18	13	2	1	1	2	0	1	1	1	0	5	45
HUBBARDSTON	4	1	0	0	0	1	0	0	0	0	0	3	9
HUDSON	47	31	11	7	1	3	8	4	1	0	1	19	133
HULL	36	22	2	0	2	3	2	1	2	0	1	9	80
HUNTINGTON	5	4	0	0	0	0	0	0	0	0	0	2	11
IPSWICH	37	28	4	1	1	5	3	5	2	2	1	11	100
KINGSTON	22	14	1	2	2	1	4	1	1	0	0	9	57
LAKEVILLE	26	19	6	1	2	0	2	0	0	0	1	11	68
LANCASTER	12	8	3	4	0	0	0	0	0	1	0	8	36
LANESBOROUGH	9	4	0	2	1	0	0	0	0	0	0	4	20
LAWRENCE	289	156	55	11	15	17	19	21	16	9	6	102	716
LEE	22	8	6	1	1	4	2	0	2	1	1	13	61
LEICESTER	33	15	2	2	3	3	0	1	2	0	0	11	72
LENOX	36	16	5	0	2	2	5	4	0	3	0	14	87
LEOMINSTER	104	83	21	3	7	13	6	7	4	1	3	55	307
LEVERETT	2	2	1	0	0	0	0	0	0	0	0	2	7
LEXINGTON	93	61	23	1	3	3	4	9	6	1	1	28	233
LEYDEN	2	0	0	0	0	0	1	0	0	0	0	0	3
LINCOLN	6	10	1	2	0	3	1	0	2	0	3	6	34
LITTLETON	27	18	4	0	1	3	0	1	1	0	1	7	63
LONGMEADOW	58	32	17	0	8	4	6	2	1	3	0	19	150
LOWELL	395	213	63	9	9	31	60	24	10	52	10	121	997
LUDLOW	70	39	9	3	1	2	10	0	3	3	2	21	163
LUNENBURG	24	11	1	4	0	3	1	1	0	0	0	6	51
LYNN	368	238	50	15	27	29	39	15	17	5	7	107	917
LYNNFIELD	34	23	2	1	1	2	2	0	1	1	0	11	78
MALDEN	227	164	31	0	9	15	20	7	7	11	5	99	595
MANCHESTER	16	8	2	1	1	3	2	1	1	1	1	9	46
MANSFIELD	24	14	11	1	1	2	0	0	1	0	1	9	64
MARBLEHEAD	52	54	18	1	2	3	1	4	4	1	1	24	165
MARION	14	8	4	1	0	0	2	0	1	0	1	5	36
MARLBOROUGH	84	55	26	3	4	10	9	3	6	1	0	49	250
MARSHFIELD	38	38	8	2	9	4	6	3	2	1	1	15	127
MASHPEE	21	8	6	0	0	2	0	0	1	3	0	8	49
MATTAPOISETT	17	11	4	2	0	3	1	1	0	1	0	4	44
MAYNARD	30	23	4	2	4	1	0	3	1	0	1	10	79
MEDFIELD	20	16	2	3	1	2	0	0	0	2	0	8	54
MEDFORD	231	160	45	5	16	19	21	9	4	7	5	100	622
MEDWAY	27	12	3	0	0	1	0	1	1	0	0	10	55
MELROSE	123	59	21	3	1	12	9	5	5	4	6	38	286
MENDON	12	4	1	0	0	1	0	0	1	0	0	4	23
MERRIMAC	16	14	2	3	0	1	1	0	1	1	0	4	43

TABLE C-14A (CONTINUED)
SELECTED CAUSES OF DEATH BY CITY AND TOWN OF RESIDENCE
1983

	HEART DISEASES (390-398, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
METHUEN	147	89	24	5	11	8	18	7	4	7	1	52	373
MIDDLEBOROUGH	71	46	15	6	5	3	4	4	3	0	2	21	180
MIDDLEFIELD	1	0	0	0	0	0	0	0	0	0	1	1	3
MIDDLETON	7	10	3	0	2	1	0	0	0	1	1	10	35
MILFORD	89	44	9	2	6	3	5	3	1	3	2	32	199
MILLBURY	43	32	6	3	2	5	4	2	0	0	0	15	112
MILLIS	18	12	0	1	1	1	3	1	2	0	0	6	45
MILLVILLE	7	3	0	0	0	0	0	0	1	0	0	1	12
MILTON	119	66	23	2	3	10	5	3	6	1	1	51	290
MONROE	0	1	0	0	0	0	0	0	0	0	0	0	1
MONSON	21	13	5	0	5	3	3	2	0	0	2	7	61
MONTAGUE	35	23	10	4	3	4	7	0	2	1	1	16	106
MONTERY	2	3	1	0	0	0	0	0	1	0	1	2	10
MONTGOMERY	0	0	0	0	0	0	0	0	0	0	0	0	0
MOUNT WASHINGTON	1	0	0	0	0	0	0	0	0	0	0	0	1
NAHANT	11	13	4	0	3	1	1	0	0	1	0	8	42
NANTUCKET	16	18	1	1	2	3	5	2	2	0	1	13	64
NATICK	85	67	19	4	3	16	5	3	1	0	2	44	249
NEEDHAM	106	61	11	2	4	12	5	4	2	2	1	42	252
NEW ASHFORD	2	0	0	0	0	0	0	0	0	0	0	1	3
NEW BEDFORD	482	269	115	10	26	48	22	16	16	24	6	153	1187
NEW BRAINTREE	2	0	0	1	0	0	0	0	0	0	0	0	3
NEW MARLBOROUGH	3	2	0	1	0	1	0	0	0	0	0	4	11
NEW SALEM	1	0	2	0	0	0	1	0	0	0	0	0	4
NEWBURY	13	7	3	2	0	1	1	0	0	0	1	5	33
NEWBURYPORT	79	38	14	3	3	10	7	6	1	7	4	19	191
NEWTON	267	178	46	9	13	31	16	7	3	6	5	106	687
NORFOLK	11	6	4	2	2	0	1	0	0	0	0	2	28
NORTH ADAMS	91	54	11	0	3	1	8	4	1	3	4	28	208
NORTH ANDOVER	68	44	12	2	1	11	2	2	4	6	0	29	131
NORTH ATTLEBORO	62	40	15	5	3	7	6	3	2	0	3	15	161
NORTH BROOKFIELD	16	6	2	0	2	0	0	0	0	1	2	7	36
NORTH READING	29	18	6	1	1	0	0	1	3	2	0	10	71
NORTHAMPTON	114	66	29	5	7	15	9	6	4	3	3	39	300
NORTHBOROUGH	16	16	4	2	1	2	1	2	2	0	2	15	63
NORTHBRIDGE	45	22	7	4	3	3	2	3	0	3	0	16	108
NORTHFIELD	10	3	1	0	0	0	0	1	0	0	0	3	18
NORTON	38	24	4	2	3	3	4	1	1	1	0	8	89
NORWELL	25	6	4	0	0	4	3	0	0	0	1	8	51
NORWOOD	95	76	28	5	9	10	6	3	1	4	1	42	280

OAK BLUFFS	11	7	2	0	1	2	2	0	0	0	0	4	29
OAKHAM	2	4	0	0	0	0	0	0	0	0	0	1	7
ORANGE	27	13	4	2	1	0	2	3	2	1	1	12	68
ORLEANS	41	17	5	1	2	3	4	3	0	3	0	14	93
OTIS	3	3	0	0	0	0	1	0	0	0	0	0	7
OXFORD	31	17	2	0	0	2	3	1	2	0	0	10	68
PALMER	41	40	11	1	1	1	2	4	0	0	1	19	121
PAXTON	11	5	0	1	0	1	1	0	0	0	0	2	21
PEABODY	141	98	28	7	4	5	16	6	2	5	3	73	388
PELHAM	2	2	0	0	0	1	0	0	0	0	0	1	6
PEMBROKE	23	13	4	2	2	0	3	0	3	0	1	12	63
PEPPERELL	21	8	4	1	0	1	3	0	1	0	1	9	49
PERU	2	1	1	0	0	0	0	0	0	0	0	2	6
PETERSHAM	5	0	1	0	0	0	0	0	0	0	0	0	6
PHILLIPSTON	3	3	0	0	0	0	2	0	0	0	0	0	8
PITTSFIELD	189	117	27	7	9	18	25	12	7	5	3	97	516
PLAINFIELD	2	1	0	0	0	0	1	0	0	0	0	0	4
PLAINVILLE	24	17	7	2	0	5	4	0	0	0	0	5	64
PLYMOUTH	140	78	21	5	7	14	6	6	4	2	5	61	349
PLYMPTON	3	3	0	1	0	0	1	0	1	0	0	0	9
PRINCETON	3	2	1	0	1	0	1	0	0	0	0	6	14
PROVINCETOWN	12	12	1	0	2	2	4	0	0	0	3	10	46
QUINCY	354	246	61	8	18	31	26	13	7	7	6	138	915
RANDOLPH	89	78	17	8	4	8	7	2	0	0	1	36	250
RAYNHAM	24	10	2	0	1	1	0	1	1	2	2	7	51
READING	76	29	18	2	7	6	6	2	1	3	1	18	169
REHOBOTH	23	16	1	2	0	1	2	0	0	0	0	5	50
REVERE	169	115	25	3	11	10	16	9	6	3	5	64	436
RICHMOND	2	7	1	0	0	1	1	0	0	0	0	3	15
ROCHESTER	8	3	3	0	0	0	1	0	1	1	0	4	21
ROCKLAND	52	38	13	8	4	4	6	2	1	1	1	21	151
ROCKPORT	36	16	4	0	0	3	3	0	0	1	1	21	85
ROWE	0	1	0	0	0	0	0	0	0	1	0	0	2
ROWLEY	6	7	3	0	0	2	4	0	0	1	0	5	28
ROYALSTON	3	1	1	0	0	0	0	0	0	0	1	2	8
RUSSELL	7	4	0	0	1	0	0	1	0	0	1	2	16
RUTLAND	11	5	2	0	1	2	1	0	0	0	0	3	25
SALEM	179	93	31	3	10	13	14	13	6	5	3	60	430
SALISBURY	27	13	1	1	2	3	3	2	0	1	1	6	60
SANDISFIELD	7	3	0	0	0	0	1	0	0	0	0	0	11
SANDWICH	23	21	6	2	1	1	2	2	1	1	1	11	72
SAUGUS	109	61	9	4	1	5	6	4	4	0	1	32	236
SAVOY	4	1	0	0	0	0	0	0	0	0	1	0	6
SCITUATE	52	33	13	3	3	6	6	2	2	4	2	18	144
SEEKONK	34	19	5	5	1	3	1	1	1	0	1	9	80
SHARON	33	18	6	2	0	3	2	0	0	0	0	11	75
SHEFFIELD	11	7	0	1	0	1	0	0	0	0	1	1	22
SHELBURNE	15	7	2	0	1	1	1	0	0	0	0	2	29
SHERBORN	6	3	2	1	0	1	0	0	0	0	0	3	16
SHIRLEY	9	7	3	4	0	2	1	0	1	0	0	7	34

TABLE C-14A (CONTINUED)
SELECTED CAUSES OF DEATH BY CITY AND TOWN OF RESIDENCE
1983

	HEART DISEASES (390-398, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
SHREWSBURY	81	45	9	1	3	7	6	4	4	9	3	30	202
SHUTESBURY	1	1	2	0	0	0	0	0	0	0	1	2	7
SOMERSET	60	41	15	2	3	1	7	5	3	3	2	17	159
SOMERVILLE	309	217	56	1	17	32	25	22	17	10	5	121	832
SOUTH HADLEY	54	32	13	2	1	6	6	1	3	4	2	15	139
SOUTHAMPTON	13	3	0	1	0	0	1	0	0	0	1	2	21
SOUTHBOROUGH	13	9	0	2	2	2	0	1	0	0	2	5	36
SOUTHBRIDGE	71	32	14	2	3	5	2	0	0	2	2	20	153
SOUTHWICK	11	9	2	1	0	2	1	3	0	2	4	8	43
SPENCER	43	17	7	0	1	2	4	1	0	0	0	11	86
SPRINGFIELD	589	331	102	21	51	53	51	30	28	23	12	245	1536
STERLING	10	11	4	2	0	0	0	0	0	0	0	6	33
STOCKBRIDGE	5	6	2	1	0	2	0	0	0	2	0	4	22
STONEHAM	97	61	15	3	3	5	10	2	2	3	0	26	227
STOUGHTON	92	59	10	3	3	14	5	3	3	2	4	31	229
STOW	15	5	1	1	0	1	1	0	0	0	0	1	25
STURBRIDGE	24	9	1	1	1	4	1	1	0	0	2	5	49
SUDBURY	20	18	6	2	2	2	0	1	1	1	2	11	66
SUNDERLAND	6	1	0	1	0	0	0	0	0	0	0	5	13
SUTTON	10	7	0	2	1	1	0	1	0	0	0	6	28
SWAMPSCOTT	87	38	8	1	3	4	2	3	2	1	0	16	165
SWANSEA	57	31	15	5	3	0	4	3	0	6	1	10	135
TAUNTON	200	88	26	6	11	20	16	5	6	5	7	50	440
TEMPLETON	18	18	2	2	0	2	0	1	0	0	0	5	48
TEWKSBURY	65	44	5	5	6	4	6	8	3	4	2	14	166
TISBURY	9	10	6	0	0	0	2	0	1	0	0	9	37
TOLLAND	0	0	0	0	0	0	0	0	0	0	0	0	0
TOPSFIELD	7	10	4	1	1	0	0	0	1	0	1	6	31
TOWNSEND	15	8	2	1	0	0	1	1	0	0	0	5	33
TRURO	9	3	1	0	0	0	2	0	0	0	1	1	17
TYNGSBOROUGH	13	8	1	1	0	0	1	3	1	2	1	6	37
TRYINGHAM	2	2	0	0	0	0	0	0	0	0	0	0	4
UPTON	13	15	1	0	1	0	2	0	0	0	0	10	42
UXBRIDGE	30	12	3	2	4	4	5	0	0	0	1	10	71
WAKEFIELD	88	65	18	1	3	13	13	5	4	1	2	30	243
WALES	7	1	2	0	1	0	0	0	0	0	0	0	11
WALPOLE	60	24	18	5	1	1	6	2	2	2	3	15	139
WALTHAM	189	122	32	6	3	13	19	8	15	4	4	75	490
WARE	41	28	7	2	1	2	1	0	2	0	1	15	100
WAREHAM	85	53	11	4	1	3	7	3	3	1	2	20	193

WARREN	13	3	2	1	0	1	2	1	1	0	0	5	29
WARWICK	3	1	0	0	0	0	0	0	0	0	0	1	5
WASHINGTON	5	0	0	1	0	1	0	0	0	0	0	1	8
WATERTOWN	142	112	25	1	7	15	6	5	2	2	3	49	369
WAYLAND	33	24	2	3	3	2	6	1	1	1	3	9	88
WEBSTER	91	38	12	5	4	6	2	3	2	2	4	17	186
WELLESLEY	68	54	19	2	6	14	4	3	2	3	4	44	223
WELLFLEET	3	9	4	1	0	0	1	0	0	1	0	1	20
WENDELL	2	1	0	0	1	1	0	0	0	0	0	1	6
WENHAM	12	6	1	1	0	0	0	1	0	0	0	3	24
WEST BOYLSTON	16	19	4	0	0	7	1	0	1	0	0	11	59
WEST BRIDGEWATER	22	15	4	1	2	1	3	0	0	0	2	6	56
WEST BROOKFIELD	5	4	3	0	0	2	1	0	0	0	0	3	18
WEST NEWBURY	6	2	1	0	1	2	1	0	0	0	0	3	16
WEST SPRINGFIELD	102	73	24	3	9	11	7	5	1	4	1	42	282
WEST STOCKBRIDGE	4	0	1	0	2	0	0	1	0	0	0	0	8
WEST TISBURY	2	2	1	0	0	0	0	0	0	0	0	2	7
WESTBOROUGH	38	17	8	0	1	4	5	1	2	0	0	15	91
WESTFIELD	131	86	16	7	8	10	10	5	2	10	6	36	327
WESTFORD	19	23	10	4	2	0	3	0	0	0	1	6	68
WESTHAMPTON	2	2	0	0	0	0	0	0	0	0	0	0	4
WESTMINSTER	14	10	3	2	0	1	1	1	1	0	1	5	39
WESTON	36	24	12	0	0	6	5	1	3	0	2	14	103
WESTPORT	37	25	5	0	1	2	4	0	1	2	2	7	86
WESTWOOD	42	29	9	1	2	6	5	0	1	0	2	11	108
WEYMOUTH	204	118	36	13	7	15	23	7	6	4	5	63	501
WHATELY	3	3	4	1	0	0	0	0	0	0	0	2	13
WHITMAN	40	22	8	2	4	5	2	1	1	0	1	11	97
WILBRAHAM	26	17	10	1	0	4	2	1	1	1	0	8	71
WILLIAMSBURG	5	5	3	0	0	0	0	0	0	0	0	4	17
WILLIAMSTOWN	29	13	5	1	2	3	4	1	1	0	0	13	72
WILMINGTON	43	25	5	1	3	4	2	5	0	1	0	16	105
WINCHENDON	23	15	8	1	2	0	2	1	1	1	2	10	66
WINCHESTER	73	50	12	1	4	10	6	2	2	2	2	27	191
WINDSOR	1	0	0	0	0	0	0	0	0	0	0	0	1
WINTHROP	113	49	16	1	6	5	1	2	3	0	3	42	241
WOBURN	95	67	14	2	7	7	9	4	3	3	3	33	247
WORCESTER	845	420	97	26	38	103	62	29	19	24	25	346	2034
WORTHINGTON	3	0	0	0	0	0	0	1	0	0	0	1	5
WRENTHAM	28	17	5	2	2	5	3	0	2	1	0	12	77
YARMOUTH	108	82	24	2	5	7	9	7	0	7	2	45	298
STATE TOTAL	21186	12898	3697	742	1149	1902	1705	906	692	662	529	8082	54150

TABLE C-14B
SELECTED CAUSES OF DEATH BY COUNTY OF RESIDENCE
1983

	HEART DISEASES (390-398, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
BARNSTABLE	701	474	164	23	34	49	47	30	20	63	20	236	1861
BERKSHIRE	585	338	96	18	27	49	60	28	15	23	16	248	1503
BRISTOL	1937	1084	420	73	82	139	141	74	66	83	39	538	4676
DUKES	34	31	15	0	2	3	5	0	1	0	1	18	110
ESSEX	2466	1496	428	88	122	204	207	124	87	85	55	914	6276
FRANKLIN	238	139	54	15	14	33	25	13	5	5	8	92	641
HAMPDEN	1703	1036	323	58	125	141	140	82	67	66	42	617	4400
HAMPSHIRE	418	239	81	17	23	39	29	12	14	9	18	144	1043
MIDDLESEX	4483	2935	807	144	225	421	416	210	154	158	111	1758	11822
NANTUCKET	16	18	1	1	2	3	5	2	2	0	1	13	64
NORFOLK	2112	1381	382	78	103	210	159	66	55	35	51	789	5421
PLYMOUTH	1331	819	232	66	89	125	102	52	52	23	38	466	3415
SUFFOLK	2649	1506	345	53	181	250	183	119	89	47	61	1281	6764
WORCESTER	2513	1402	349	108	120	236	186	94	65	65	68	948	6154
STATE TOTAL	21186	12898	3697	742	1149	1902	1705	906	692	662	529	8082	54150

TABLE C-14C

SELECTED CAUSES OF DEATH BY HEALTH SERVICE AREA OF RESIDENCE

1983

		- CAUSES*-												
HSA	SUBAREA	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL
I	BERKSHIRE	586	339	96	18	27	49	60	28	15	23	17	249	1,507
	NORTHERN VALLEY	575	330	119	27	36	59	52	25	14	12	21	197	1,467
	SOUTHERN VALLEY	1,835	1,116	342	64	129	157	153	84	76	70	47	667	4,740
	TOTAL	2,996	1,785	557	109	192	265	265	137	105	105	85	1,113	7,714
II	NORTH	681	444	126	48	36	50	58	28	25	14	19	266	1,795
	CENTRAL	1,091	569	131	36	48	128	80	37	27	36	31	449	2,663
	SOUTH	815	418	111	34	41	55	45	27	14	13	19	254	1,846
	TOTAL	2,587	1,431	368	118	125	233	183	92	66	63	69	969	6,304
III	GREATER LOWELL	702	449	115	28	21	50	92	49	20	78	23	225	1,852
	GREATER LAWRENCE	574	332	106	21	28	42	43	34	27	25	8	205	1,445
	GTR HAVER-NEWBPT	460	254	80	21	23	55	35	18	8	27	16	175	1,172
	TOTAL	1,736	1,035	301	70	72	147	170	101	55	130	47	605	4,469
IV	METRO CENTRAL	2,880	1,657	375	58	193	275	194	127	96	49	69	1,368	7,341
	METRO NORTHWEST	1,460	993	254	35	94	158	126	73	50	26	34	631	3,934
	METRO WEST	1,450	967	278	61	69	168	106	57	51	24	40	617	3,888
	METRO SOUTHWEST	498	324	104	28	24	59	35	12	13	12	12	183	1,304
	METRO SOUTH	1,135	749	210	39	53	96	100	38	28	20	24	416	2,908
	TOTAL	7,423	4,690	1,221	221	433	756	561	307	238	131	179	3,215	19,375
V	ATTLEBORO AREA	293	165	72	18	8	30	26	9	8	2	7	75	713
	BROCKTON AREA	693	399	111	29	42	83	53	24	28	13	21	260	1,756
	PLYMOUTH AREA	396	257	68	23	33	32	31	18	16	4	11	156	1,045
	TAUNTON-MDLBORO	404	217	60	23	21	28	27	11	13	9	13	109	935
	FALL RIVER AREA	627	358	150	19	25	24	56	28	26	35	10	156	1,514
	NEW BEDFORD AREA	727	432	173	21	35	63	42	31	23	38	11	227	1,823
	CAPE COD	836	575	191	28	39	58	64	35	26	64	24	287	2,227
	TOTAL	3,976	2,403	825	161	203	318	299	156	140	165	97	1,270	10,013
VI	CAPE ANN	358	223	62	10	16	33	39	21	12	10	12	153	949
	DANVERS-SALEM	465	314	107	15	20	33	40	29	16	15	11	207	1,272
	GREATER LYNN	609	373	73	21	35	41	50	22	24	8	8	174	1,438
	EASTRN MIDDLESEX	413	232	78	10	15	36	38	15	13	13	9	122	996
	TRI-CITIES	623	412	105	7	38	40	60	26	21	22	12	254	1,620
	TOTAL	2,468	1,554	425	63	124	183	227	113	88	68	52	910	6,275
	STATE TOTAL	21,186	12,898	3,697	742	1,149	1,902	1,705	906	692	662	529	8,082	54,150

*SELECTED CAUSES ARE NUMBERED AS FOLLOWS:

1=HEART DISEASE (390-398, 402, 404-429)
2=MALIGNANT NEOPLASMS (140-209)
3=CEREBROVASCULAR DISEASE (430-438)
4=MOTOR VEHICLE ACCIDENTS (E810-E825)
5=OTHER ACCIDENTS (E800-E807, E826-E949)
6=INFLUENZA & PNEUMONIA (480-487)
7=CHRONIC OBSTRUCTIVE PULMONARY DISEASE (490-496)
8=DIABETES MELLITIS (250)
9=CHRONIC LIVER DISEASE & CIRRHOSIS (571)
10=ATHEROSCLEROSIS (440)
11=SUICIDE (E950-E959)
12=ALL OTHER CAUSES

TABLE C-15
RESIDENT DEATHS BY CAUSE, SEX, AND RACE
1983

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*001 139	I. INFECTIVE AND PARASITIC DISEASES	634	296	338	593	277	316	41	19	22
001-009	INTESTINAL INFECTIOUS DISEASES	11	1	10	10	1	9	1	0	1
003	TYPHOID AND PARATYPHOID FEVERS	3	0	3	3	0	3	0	0	0
008	INTESTINAL INFECTIONS DUE TO OTHER ORGANISMS	2	0	2	2	0	2	0	0	0
009	ILL-DEFINED INTESTINAL INFECTIONS	6	1	5	5	1	4	1	0	1
010-018	TUBERCULOSIS	21	13	8	19	12	7	2	1	1
011	PULMONARY	18	11	7	17	11	6	1	0	1
017	OTHER ORGANS	1	1	0	1	1	0	0	0	0
018	MILIARY	2	1	1	1	0	1	1	1	0
020-027	ZOONOTIC BACTERIAL DISEASES	11	6	5	11	6	5	0	0	0
027	OTHER ZOONOTIC BACTERIAL DISEASES	11	6	5	11	6	5	0	0	0
030-041	OTHER BACTERIAL DISEASES	475	207	268	445	196	249	30	11	19
031	DISEASES DUE TO OTHER MYCOBACTERIA	3	3	0	2	2	0	1	1	0
036	MENINGOCOCCAL INFECTION	6	2	4	4	2	2	2	0	2
038	SEPTICAEMIA	452	194	258	426	184	242	26	10	16
039	ACTINOMYCOTIC INFECTIONS	2	1	1	2	1	1	0	0	0
040	OTHER BACTERIAL DISEASES	3	2	1	3	2	1	0	0	0
041	BACTERIAL INFECTION IN CONDITIONS CLASSIFIED ELSEWHERE AND OF UNSPECIFIED SITE	9	5	4	8	5	3	1	0	1
045-049	POLIOMYELITIS AND OTHER ENTEROVIRUS DIS. OF CENTRAL NERVOUS SYSTEM	19	7	12	19	7	12	0	0	0
045	ACUTE POLIOMYELITIS	1	1	0	1	1	0	0	0	0
046	SLOW VIRUS INFECTION OF CENTRAL NERVOUS SYSTEM	11	3	8	11	3	8	0	0	0
049	OTHER VIRAL DISEASES OF CENTRAL NERVOUS SYSTEM	7	3	4	7	3	4	0	0	0
050-057	VIRAL DISEASES ACCOMPANIED BY EXANTHEM	8	5	3	8	5	3	0	0	0
053	HERPES ZOSTER	3	1	2	3	1	2	0	0	0
054	HERPES SIMPLEX	5	4	1	5	4	1	0	0	0
060-066	ARTHOPOD-BORNE VIRAL DISEASES	1	1	0	1	1	0	0	0	0
062	MOSQUITO BORNE VIRAL ENCEPHALITIS	1	1	0	1	1	0	0	0	0
070-079	OTHER VIRAL DISEASES	32	23	9	30	21	9	2	2	0
070	VIRAL HEPATITIS	20	14	6	18	12	6	2	2	0
071	RABIES	1	1	0	1	1	0	0	0	0
078	OTHER DISEASES DUE TO VIRUSES AND CHLAMYDIAE	1	1	0	1	1	0	0	0	0
079	VIRAL INFECTION IN CONDITIONS CLASSIFIED ELSEWHERE AND OF UNSPECIFIED SITE	10	7	3	10	7	3	0	0	0
090-099	SYPHILIS AND OTHER VENEREAL DISEASES	1	1	0	1	1	0	0	0	0
094	NEUROSYPHILIS	1	1	0	1	1	0	0	0	0
110-118	MYCOSES	18	10	8	18	10	8	0	0	0
112	CANDIDIASIS	10	5	5	10	5	5	0	0	0
117	OTHER MYCOSES	8	5	3	8	5	3	0	0	0
130-136	OTHER INFECTIVE AND PARASITIC DISEASES	24	15	9	18	10	8	6	5	1
135	SARCOIDOSIS	11	7	4	6	3	3	5	4	1
136	OTHER AND UNSPECIFIED INFECTIOUS AND PARASITIC DISEASES	13	8	5	12	7	5	1	1	0
137-139	LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES	13	7	6	13	7	6	0	0	0
137	TUBERCULOSIS	9	5	4	9	5	4	0	0	0
138	ACUTE POLIOMYELITIS	4	2	2	4	2	2	0	0	0

TABLE C-15

1983

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*140 239	II. NEOPLASMS	13138	6590	6548	12735	6350	6385	399	238	161
140-149	MALIGNANT NEOPLASM OF LIP, ORAL CAVITY AND PHARYNX	234	146	88	222	137	85	12	9	3
140	LIP	4	3	1	4	3	1	0	0	0
141	TONGUE	58	35	23	56	35	21	2	0	2
142	MAJOR SALIVARY GLANDS	15	7	8	15	7	8	0	0	0
143	GUM	4	2	2	4	2	2	0	0	0
144	FLOOR OF MOUTH	8	6	2	7	5	2	1	1	0
145	OTHER AND UNSPECIFIED PARTS OF MOUTH	36	28	8	34	26	8	2	2	0
146	OROPHARYNX	25	13	12	25	13	12	0	0	0
147	NASOPHARYNX	16	7	9	14	6	8	2	1	1
148	HYPOPHARYNX	10	8	2	10	8	2	0	0	0
149	OTHER AND ILL-DEFINED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	58	37	21	53	32	21	5	5	0
150-159	MALIGNANT NEOPLASM OF DIGESTIVE ORGANS AND PERITONEUM	3517	1709	1808	3400	1638	1762	116	71	45
150	OESOPHAGUS	246	183	63	224	168	56	22	15	7
151	STOMACH	445	240	205	430	233	197	15	7	8
152	SMALL INTESTINE, INCLUDING DUODENUM	18	7	11	18	7	11	0	0	0
153	COLON	1465	683	782	1437	667	770	28	16	12
154	RECTUM, RECTOSIGMOID JUNCTION AND ANUS	322	148	174	312	143	169	10	5	5
155	LIVER AND INTRAHEPATIC BILE DUCTS	171	103	68	152	86	66	19	17	2
156	GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	113	39	74	110	38	72	3	1	2
157	PANCREAS	613	255	358	595	247	348	17	8	9
158	RETROPERITONEUM AND PERITONEUM	23	7	16	23	7	16	0	0	0
159	OTHER AND ILL-DEFINED SITES WITHIN THE DIGESTIVE ORGANS AND PERITONEUM	101	44	57	99	42	57	2	2	0
160-165	MALIGNANT NEOPLASM OF RESPIRATORY AND INTRATHORACIC ORGANS	3131	2153	978	3032	2036	946	99	67	32
160	NASAL CAVITIES, MIDDLE EAR AND ACCESSORY SINUSES	10	7	3	9	6	3	1	1	0
161	LARYNX	113	92	21	111	92	19	2	0	2
162	TRACHEA, BRONCHUS AND LUNG	2989	2044	945	2894	1979	915	95	65	30
163	PLEURA	4	3	1	4	3	1	0	0	0
164	THYMUS, HEART AND MEDIASTINUM	15	7	8	14	6	8	1	1	0
170-175	MALIGNANT NEOPLASM OF BONE, CONNECTIVE TISSUE, SKIN, AND BREAST	1576	184	1392	1545	182	1363	30	1	29
170	BONE AND ARTICULAR CARTILAGE	21	13	8	21	13	8	0	0	0
171	CONNECTIVE AND OTHER SOFT TISSUE	85	42	43	82	40	42	2	1	1
172	MALIGNANT MELANOMA OF SKIN	173	93	80	172	93	79	1	0	1
173	OTHER MALIGNANT NEOPLASM OF SKIN	44	29	15	44	29	15	0	0	0
174	FEMALE BREAST	1246	0	1246	1219	0	1219	27	0	27
175	MALE BREAST	7	7	0	7	7	0	0	0	0
179-189	MALIGNANT NEOPLASM OF GENITOURINARY ORGANS	1967	1046	921	1908	1006	902	58	39	19
179	UTERUS, PART UNSPECIFIED	78	0	78	77	0	77	1	0	1
180	CERVIX UTERI	110	0	110	105	0	105	5	0	5
182	BODY OF UTERUS	87	0	87	86	0	86	1	0	1
183	OVARY AND OTHER UTERINE ADNEXA	355	0	355	351	0	351	4	0	4
184	OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	44	0	44	41	0	41	3	0	3

TABLE C-15 (CONTINUED)

1983

ICD. LIST NUMBER	CAUSE OF DEATH II. NEOPLASMS (CONTINUED)	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
185	PROSTATE	683	683	0	651	651	0	31	31	0
186	TESTIS	13	13	0	13	13	0	0	0	0
187	PENIS AND OTHER MALE GENITAL ORGANS	6	6	0	6	6	0	0	0	0
188	BLADDER	338	211	127	331	207	124	7	4	3
189	KIDNEY AND OTHER AND UNSPECIFIED URINARY ORGANS	253	133	120	247	129	118	6	4	2
190-199	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES	1389	692	697	1349	669	680	39	23	16
190	EYE	3	1	2	3	1	2	0	0	0
191	BRAIN	236	110	126	230	108	122	5	2	3
192	OTHER AND UNSPECIFIED PARTS OF NERVOUS SYSTEM	7	2	5	7	2	5	0	0	0
193	THYROID GLAND	27	9	18	27	9	18	0	0	0
194	OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	15	8	7	13	7	6	2	1	1
195	OTHER AND ILL-DEFINED SITES	100	53	47	99	52	47	1	1	0
199	WITHOUT SPECIFICATION OF SITE	1001	509	492	970	490	480	31	19	12
200-208	NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUE	1084	547	537	1043	522	521	41	25	16
200	LYMPHOSARCOMA AND RETICULOSARCOMA	128	69	59	121	62	59	7	7	0
201	HODGKIN'S DISEASE	45	24	21	44	23	21	1	1	0
202	OTHER MALIGNANT NEOPLASM OF LYMPOID AND HISTIOCYTIC TISSUE	276	131	145	269	127	142	7	4	3
203	MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS	185	92	93	174	86	88	11	6	5
204	LYMPHOID LEUKAEMIA	104	60	44	98	56	42	6	4	2
205	MYELOID LEUKAEMIA	219	102	117	212	99	113	7	3	4
206	MONOCYTIC LEUKAEMIA	11	5	6	11	5	6	0	0	0
207	OTHER SPECIFIED LEUKAEMIA	12	10	2	12	10	2	0	0	0
208	LEUKAEMIA OF UNSPECIFIED CELL TYPE	104	54	50	102	54	48	2	0	2
210-229	BENIGN NEOPLASMS	45	15	30	43	14	29	2	1	1
211	OTHER PARTS OF DIGESTIVE SYSTEM	3	0	3	3	0	3	0	0	0
212	RESPIRATORY AND INTRATHORACIC ORGANS	1	1	0	1	1	0	0	0	0
213	BONE AND ARTICULAR CARTILAGE	1	0	1	1	0	1	0	0	0
215	OTHER BENIGN NEOPLASM OF CONNECTIVE AND OTHER SOFT TISSUE	1	1	0	1	1	0	0	0	0
218	UTERINE LEIOMYOMA	1	0	1	1	0	1	0	0	0
220	OVARY	3	0	3	3	0	3	0	0	0
223	KIDNEY AND OTHER URINARY ORGANS	2	1	1	2	1	1	0	0	0
225	BRAIN AND OTHER PARTS OF NERVOUS SYSTEM	25	6	19	24	6	18	1	0	1
227	OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	5	4	1	4	3	1	1	1	0
228	HAEMANGIOMA AND LYMPHANGIOMA, ANY SITE	2	1	1	2	1	1	0	0	0
229	OTHER AND UNSPECIFIED SITES	1	1	0	1	1	0	0	0	0
235-238	NEOPLASMS OF UNCERTAIN BEHAVIOUR	45	24	21	45	24	21	0	0	0
235	DIGESTIVE AND RESPIRATORY SYSTEMS	5	5	0	5	5	0	0	0	0
237	ENDOCRINE GLANDS AND NERVOUS SYSTEM	2	0	2	2	0	2	0	0	0
238	OTHER AND UNSPECIFIED SITES AND TISSUES	38	19	19	38	19	19	0	0	0
239-239	NEOPLASM OF UNSPECIFIED NATURE	150	74	76	148	72	76	2	2	0
239	NEOPLASM OF UNSPECIFIED NATURE	150	74	76	148	72	76	2	2	0

TABLE C-15

1983

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*240 279	III. ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES	1226	512	714	1168	486	682	56	25	31
240-246	DISORDERS OF THYROID GLAND	26	7	19	26	7	19	0	0	0
242	THYROTOXICOSIS WITH OR WITHOUT GOITRE	5	2	3	5	2	3	0	0	0
244	ACQUIRED HYPOTHYROIDISM	21	5	16	21	5	16	0	0	0
250-259	DISEASES OF OTHER ENDOCRINE GLANDS	922	379	543	876	359	517	45	19	26
250	DIABETES MELLITUS	906	373	533	863	353	510	42	19	23
251	OTHER DISORDERS OF PANCREATIC INTERNAL SECRETION	7	4	3	5	4	1	2	0	2
253	DISORDERS OF THE PITUITARY GLAND AND ITS HYPOTHALAMIC CONTROL	2	1	1	2	1	1	0	0	0
255	DISORDERS OF ADRENAL GLANDS	5	0	5	4	0	4	1	0	1
258	POLYGLANDULAR DYSFUNCTION AND RELATED DISORDERS	1	1	0	1	1	0	0	0	0
259	OTHER ENDOCRINE DISORDERS	1	0	1	1	0	1	0	0	0
260-269	NUTRITIONAL DEFICIENCIES	48	10	38	47	10	37	1	0	1
260	KWASHIORKOR	1	1	0	1	1	0	0	0	0
261	NUTRITIONAL MARASMUS	2	0	2	2	0	2	0	0	0
263	OTHER AND UNSPECIFIED PROTEIN-CALORIE MALNUTRITION	41	7	34	40	7	33	1	0	1
266	DEFICIENCY OF B-COMPLEX COMPONENTS	1	0	1	1	0	1	0	0	0
269	OTHER NUTRITIONAL DEFICIENCIES	3	2	1	3	2	1	0	0	0
270-279	OTHER METABOLIC AND IMMUNITY DISORDERS	230	116	114	219	110	109	10	6	4
270	DISORDERS OF AMINO-ACID TRANSPORT AND METABOLISM	2	1	1	2	1	1	0	0	0
271	DISORDERS OF CARBOHYDRATE TRANSPORT AND METABOLISM	3	0	3	3	0	3	0	0	0
272	DISORDERS OF LIPOID METABOLISM	4	2	2	3	2	1	1	0	1
273	DISORDERS OF PLASMA PROTEIN METABOLISM	12	7	5	12	7	5	0	0	0
274	GOUT	4	3	1	4	3	1	0	0	0
275	DISORDERS OF MINERAL METABOLISM	12	6	6	12	6	6	0	0	0
276	DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	99	45	54	94	42	52	5	3	2
277	OTHER AND UNSPECIFIED DISORDERS OF METABOLISM	53	27	26	52	27	25	1	0	1
278	OBESITY AND OTHER HYPERALIMENTATION	24	10	14	23	10	13	0	0	0
279	DISORDERS INVOLVING THE IMMUNE MECHANISM	17	15	2	14	12	2	3	3	0
*280 289	IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS	183	95	88	177	93	84	6	2	4
280	IRON DEFICIENCY ANAEMIAS	2	0	2	2	0	2	0	0	0
281	OTHER DEFICIENCY ANAEMIAS	6	3	3	6	3	3	0	0	0
282	HEREDITARY HAEMOLYTIC ANAEMIAS	5	1	4	3	1	2	2	0	2
283	ACQUIRED HAEMOLYTIC ANAEMIAS	4	1	3	4	1	3	0	0	0
284	APLASTIC ANAEMIA	29	15	14	29	15	14	0	0	0
285	OTHER AND UNSPECIFIED ANAEMIAS	35	19	16	35	19	16	0	0	0
286	COAGULATION DEFECTS	35	16	19	32	15	17	3	1	2
287	PURPURA AND OTHER HAEMORRHAGIC CONDITIONS	22	10	12	22	10	12	0	0	0
288	DISEASES OF WHITE BLOOD CELLS	11	7	4	11	7	4	0	0	0
289	OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	34	23	11	33	22	11	1	1	0

TABLE C-15 (CONTINUED)

1983

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS TOT	TOTALS MALE	TOTALS FEM	WHITE TOT	WHITE MALE	WHITE FEM	NON-WHITE TOT	NON-WHITE MALE	NON-WHITE FEM
*290 319	V. MENTAL DISORDERS	368	177	191	351	167	184	16	9	7
290-294	ORGANIC PSYCHOTIC CONDITIONS	106	38	68	105	38	67	1	0	1
290	SENILE AND PRESENILE ORGANIC PSYCHOTIC CONDITIONS	102	35	67	101	35	66	1	0	1
291	ALCOHOLIC PSYCHOSES	3	2	1	3	2	1	0	0	0
294	OTHER ORGANIC PSYCHOTIC CONDITIONS (CHRONIC)	1	1	0	1	1	0	0	0	0
295-299	OTHER PSYCHOSES	64	27	37	61	26	35	3	1	2
295	SCHIZOPHRENIC PSYCHOSES	5	1	4	5	1	4	0	0	0
296	AFFECTIVE PSYCHOSES	1	0	1	1	0	1	0	0	0
297	PARANOID STATES	1	0	1	1	0	1	0	0	0
298	OTHER NONORGANIC PSYCHOSES	57	26	31	54	25	29	3	1	2
300-316	NEUROSES, PERSONALITY DISORDERS, AND OTHER NONPSYCHOTIC DISORDERS	192	109	83	179	100	79	12	8	4
300	NEUROTIC DISORDERS	2	2	0	2	2	0	0	0	0
303	ALCOHOL DEPENDENCE SYNDROME	75	58	17	70	53	17	5	5	0
304	DRUG DEPENDENCE	4	3	1	3	2	1	0	0	0
305	NONDEPENDENT ABUSE OF DRUGS	11	8	3	10	7	3	1	1	0
306	PHYSIOLOGICAL MALFUNCTION ARISING FROM MENTAL FACTORS	3	1	2	3	1	2	0	0	0
307	SPECIAL SYMPTOMS OR SYNDROMES NOT ELSEWHERE CLASSIFIED	2	1	1	2	1	1	0	0	0
308	ACUTE REACTION TO STRESS	6	4	2	6	4	2	0	0	0
310	SPECIFIC NONPSYCHOTIC MENTAL DISORDERS FOLLOWING ORGANIC BRAIN DAMAGE	76	25	51	70	23	47	6	2	4
311	DEPRESSIVE DISORDER, NOT ELSEWHERE CLASSIFIED	13	7	6	13	7	6	0	0	0
317-319	MENTAL RETARDATION	6	3	3	6	3	3	0	0	0
318	OTHER SPECIFIED MENTAL RETARDATION	1	0	1	1	0	1	0	0	0
319	UNSPECIFIED MENTAL RETARDATION	5	3	2	5	3	2	0	0	0
*320 389	VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	857	401	456	830	386	444	27	15	12
320-326	INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM	47	25	22	45	24	21	2	1	1
320	BACTERIAL MENINGITIS	13	9	4	13	9	4	0	0	0
322	MENINGITIS OF UNSPECIFIED CAUSE	11	4	7	10	3	7	1	1	0
323	ENCEPHALITIS, MYELITIS AND ENCEPHALOMYELITIS	17	9	8	17	9	8	0	0	0
324	INTRACRANIAL AND INTRASPINAL ABSCESS	6	3	3	5	3	2	1	0	1
330-337	HEREDITARY AND DEGENERATIVE DISEASES OF NERVOUS SYSTEM	538	255	283	525	247	278	13	8	5
331	OTHER CEREBRAL DEGENERATIONS	252	102	150	248	100	148	4	2	2
332	PARKINSON'S DISEASE	169	98	71	165	94	71	4	4	0
333	OTHER EXTRAPYRAMIDAL DISEASE AND ABNORMAL MOVEMENT DISORDERS	11	5	6	11	5	6	0	0	0
334	SPINOCEREBELLAR DISEASE	9	4	5	9	4	5	0	0	0
335	ANTERIOR HORN CELL DISEASE	93	44	49	90	43	47	3	1	2
336	OTHER DISEASES OF SPINAL CORD	4	2	2	2	1	1	2	1	1
340-349	OTHER DISORDERS OF THE CENTRAL NERVOUS SYSTEM	227	102	125	216	97	119	11	5	6
340	MULTIPLE SCLEROSIS	39	12	27	39	12	27	0	0	0
341	OTHER DEMYELINATING DISEASES OF CENTRAL NERVOUS SYSTEM	14	10	4	14	10	4	0	0	0
342	HEMIPLEGIA	13	5	8	13	5	8	0	0	0
343	INFANTILE CEREBRAL PALSY	10	5	5	8	5	3	2	0	2
344	OTHER PARALYTIC SYNDROMES	20	13	7	18	12	6	2	1	1

TABLE C-15

1983

ICD. LIST NUMBER	CAUSE OF DEATH	T O T A L S			W H I T E			N O N-W H I T E		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS (CONTINUED)									
345	EPILEPSY	43	21	22	39	18	21	4	3	1
348	OTHER CONDITIONS OF BRAIN	77	31	46	75	30	45	2	1	1
349	OTHER AND UNSPECIFIED DISORDERS OF THE NERVOUS SYSTEM	11	5	6	10	5	5	1	0	1
350-359	DISORDERS OF PERIPHERAL NERVOUS SYSTEM	42	18	24	42	18	24	0	0	0
352	DISORDERS OF OTHER CRANIAL NERVES	1	0	1	1	0	1	0	0	0
355	MONONEURITIS OF LOWER LIMB	1	0	1	1	0	1	0	0	0
356	HEREDITARY AND IDIOPATHIC PERIPHERAL NEUROPATHY	5	3	2	5	3	2	0	0	0
357	INFLAMMATORY AND TOXIC NEUROPATHY	4	1	3	4	1	3	0	0	0
358	MYONEURAL DISORDERS	9	5	4	9	5	4	0	0	0
359	MUSCULAR DYSTROPHIES AND OTHER MYOPATHIES	22	9	13	22	9	13	0	0	0
360-379	DISORDERS OF EYE AND ADNEXA	1	1	0	0	0	0	1	1	0
362	OTHER RETINAL DISORDERS	1	1	0	0	0	0	1	1	0
380-389	DISEASES OF THE EAR AND MASTIOD PROCESS	2	0	2	2	0	2	0	0	0
382	SUPPURATIVE AND UNSPECIFIED OTITIS MEDIA	2	0	2	2	0	2	0	0	0
*390 459	VII. DISEASES OF THE CIRCULATORY SYSTEM	26533	12556	13977	25882	12212	13670	632	330	302
393-398	CHRONIC RHEUMATIC HEART DISEASE	174	47	127	166	44	122	8	3	5
394	DISEASES OF MITRAL VALVE	62	15	47	60	15	45	2	0	2
395	DISEASES OF AORTIC VALVE	11	4	7	11	4	7	0	0	0
396	DISEASES OF MITRAL AND AORTIC VALVES	19	7	12	18	7	11	1	0	1
397	DISEASES OF OTHER ENDOCARDIAL STRUCTURES	9	2	7	9	2	7	0	0	0
398	OTHER RHEUMATIC HEART DISEASE	73	19	54	68	16	52	5	3	2
401-405	HYPERTENSIVE DISEASE	597.	223	374	567	207	360	29	15	14
401	ESSENTIAL HYPERTENSION	80	25	55	77	24	53	3	1	2
402	HYPERTENSIVE HEART DISEASE	364	143	221	341	129	212	22	13	9
403	HYPERTENSIVE RENAL DISEASE	111	42	69	109	42	67	2	0	2
404	HYPERTENSIVE HEART AND RENAL DISEASE	42	13	29	40	12	28	2	1	1
410-414	ISCHEMIC HEART DISEASE	16747	8595	8152	16407	8412	7995	328	173	155
410	ACUTE MYOCARDIAL INFARCTION	8538	4843	3695	8378	4752	3626	152	85	67
411	OTHER ACUTE AND SUBACUTE FORM OF ISCHAEMIC HEART DISEASE	25	15	10	24	14	10	1	1	0
412	OLD MYOCARDIAL INFARCTION	21	10	11	21	10	11	0	0	0
413	ANGINA PECTORIS	22	8	14	22	8	14	0	0	0
414	OTHER FORMS OF CHRONIC ISCHAEMIC HEART DISEASE	8141	3719	4422	7962	3628	4334	175	87	88
415-417	DISEASES OF PULMONARY CIRCULATION	293	129	164	281	125	156	11	3	8
415	ACUTE PULMONARY HEART DISEASE	261	114	147	251	111	140	9	2	7
416	CHRONIC PULMONARY HEART DISEASE	29	13	16	27	12	15	2	1	1
417	OTHER DISEASES OF PULMONARY CIRCULATION	3	2	1	3	2	1	0	0	0
420-429	OTHER FORMS OF HEART DISEASE	3566	1575	1991	3427	1506	1921	137	68	69
421	ACUTE AND SUBACUTE ENDOCARDITIS	21	9	12	21	9	12	0	0	0
422	ACUTE MYOCARDITIS	4	3	1	3	2	1	0	0	0
423	OTHER DISEASES OF PERICARDIUM	11	6	5	10	5	5	1	1	0
424	OTHER DISEASES OF ENDOCARDIUM	234	95	139	233	95	138	1	0	1
425	CARDIOMYOPATHY	232	152	80	216	139	77	16	13	3
426	CONDUCTION DISORDERS	27	13	14	26	12	14	1	1	0
427	CARDIAC DYSRHYTHMIAS	1230	602	628	1171	569	602	59	33	26
428	HEART FAILURE	886	344	542	859	334	525	27	10	17

TABLE C-15 (CONTINUED)

1983

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS TOT	TOTALS MALE	TOTALS FEM	WHITE TOT	WHITE MALE	WHITE FEM	NON-WHITE TOT	NON-WHITE MALE	NON-WHITE FEM
	VII. DISEASES OF THE CIRCULATORY SYSTEM (CONTINUED)									
429	ILL-DEFINED DESCRIPTIONS AND COMPLICATIONS OF HEART DISEASE	921	351	570	888	341	547	32	10	22
430-438	CEREBROVASCULAR DISEASE	3697	1344	2353	3607	1294	2313	87	49	38
430	SUBARACHNOID HAEMORRHAGE	164	60	104	159	59	100	5	1	4
431	INTRACEREBRAL HAEMORRHAGE	518	228	290	496	212	284	22	16	6
432	OTHER AND UNSPECIFIED INTRACRANIAL HAEMORRHAGE	30	12	18	29	11	18	1	1	0
433	OCCLUSION AND STENOSIS OF PRECEREBRAL ARTERIES	33	15	18	32	14	18	1	1	0
434	OCCLUSION OF CEREBRAL ARTERIES	765	255	510	749	244	505	16	11	5
435	TRANSCIENT CEREBRAL ISCHAEMIA	14	4	10	14	4	10	0	0	0
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	1626	585	1041	1592	569	1023	31	15	16
437	OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE	388	128	260	383	126	257	5	2	3
438	LATE EFFECTS OF CEREBROVASCULAR DISEASE	159	57	102	153	55	98	6	2	4
440-448	DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	1279	546	733	1259	535	724	20	11	9
440	ATHEROSCLEROSIS	662	180	482	655	176	479	7	4	3
441	AORTIC ANEURYSM	413	266	147	406	261	145	7	5	2
442	OTHER ANEURYSM	10	7	3	10	7	3	0	0	0
443	OTHER PERIPHERAL VASCULAR DISEASE	87	51	36	83	50	33	4	1	3
444	ARTERIAL EMBOLISM AND THROMBOSIS	52	16	36	52	16	36	0	0	0
446	POLYARTERITIS NODOSA AND ALLIED CONDITIONS	19	5	14	19	5	14	0	0	0
447	OTHER DISORDERS OF ARTERIES AND ARTERIOLES	35	20	15	33	19	14	2	1	1
448	DISEASES OF CAPILLARIES	1	1	0	1	1	0	0	0	0
451-459	DISEASES OF VEINS AND LYMPHATICS, AND OTHER DIS. OF CIRCULATORY SYS.	180	97	83	168	89	79	12	8	4
451	PHLEBITIS AND THROMBOPHLEBITIS	59	34	25	57	32	25	2	2	0
452	PORTAL VEIN THROMBOSIS	1	1	0	1	1	0	0	0	0
453	OTHER VENOUS EMBOLISM AND THROMBOSIS	5	2	3	5	2	3	0	0	0
454	VARICOSE VEINS OF LOWER EXTREMITIES	9	3	6	8	2	6	1	1	0
456	VARICOSE VEINS OF OTHER SITES	23	20	3	22	19	3	1	1	0
457	NONINFECTIVE DISORDERS OF LYMPHATIC CHANNELS	1	1	0	1	1	0	0	0	0
458	HYPOTENSION	48	19	29	41	15	26	7	4	3
459	OTHER DISORDERS OF CIRCULATORY SYSTEM	34	17	17	33	17	16	1	0	1
*460 519	VIII. DISEASES OF THE RESPIRATORY SYSTEM	4205	2272	1933	4097	2208	1889	105	62	43
460-466	ACUTE RESPIRATORY INFECTIONS	14	7	7	14	7	7	0	0	0
464	ACUTE LARYNGITIS AND TRACHEITIS	3	2	1	3	2	1	0	0	0
465	ACUTE UPPER RESPIRATORY INFECTIONS OF MULTIPLE OR UNSPECIFIED SITES	2	0	2	2	0	2	0	0	0
466	ACUTE BRONCHITIS AND BRONCHIOLITIS	9	5	4	9	5	4	0	0	0
470-478	OTHER DISEASES UPPER RESPIRATORY TRACT	8	3	5	8	3	5	0	0	0
476	CHRONIC LARYNGITIS AND LARYNGOTRACHEITIS	1	0	1	1	0	1	0	0	0
478	OTHER DISEASES OF UPPER RESPIRATORY TRACT	7	3	4	7	3	4	0	0	0
480-487	PNEUMONIA AND INFLUENZA	1902	884	1018	1852	857	995	50	27	23
480	VIRAL PNEUMONIA	28	11	17	28	11	17	0	0	0
481	PNEUMOCOCCAL PNEUMONIA	72	37	35	70	36	34	2	1	1
482	OTHER BACTERIAL PNEUMONIA	77	36	41	76	36	40	1	0	1
483	PNEUMONIA DUE TO OTHER SPECIFIED ORGANISM	1	1	0	1	1	0	0	0	0

TABLE C-15

1983

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	VIII. DISEASES OF THE RESPIRATORY SYSTEM (CONTINUED)									
485	BRONCHOPNEUMONIA, ORGANISM UNSPECIFIED	340	156	184	334	153	181	6	3	3
486	PNEUMONIA, ORGANISM UNSPECIFIED	1366	633	733	1326	611	715	40	22	18
487	INFLUENZA	18	10	8	17	9	8	1	1	0
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	1705	1057	648	1673	1036	637	30	20	10
490	BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	16	7	9	16	7	9	0	0	0
491	CHRONIC BRONCHITIS	78	47	31	78	47	31	0	0	0
492	EMPHYSEMA	246	158	88	242	156	86	4	2	2
493	ASTHMA	90	35	55	79	31	48	11	4	7
494	BRONCHIECTASIS	19	10	9	18	9	9	1	1	0
496	CHRONIC AIRWAYS OBSTRUCTION, NOT ELSEWHERE CLASSIFIED	1256	800	456	1240	786	454	14	13	1
500-508	PNEUMOCONIOSES AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENTS	194	115	79	183	108	75	10	6	4
501	ASBESTOSIS	9	9	0	9	9	0	0	0	0
502	PNEUMOCONIOSIS DUE TO OTHER SILICA OR SILICATES	2	1	1	2	1	1	0	0	0
503	PNEUMOCONIOSIS DUE TO OTHER INORGANIC DUST	3	2	1	3	2	1	0	0	0
504	PNEUMOPATHY DUE TO INHALATION OF OTHER DUST	2	0	2	2	0	2	0	0	0
507	PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	178	103	75	167	96	71	10	6	4
510-519	OTHER DISEASES OF RESPIRATORY SYSTEM	382	206	176	367	197	170	15	9	6
510	EMPYEMA	12	5	7	11	4	7	1	1	0
511	PLEURISY	19	10	9	17	9	8	2	1	1
512	PNEUMOTHORAX	9	6	3	9	6	3	0	0	0
513	ABSCESS OF LUNG AND MEDIASTINUM	13	7	6	13	7	6	0	0	0
514	PULMONARY CONGESTION AND HYPOSTASIS	55	19	36	52	18	34	3	1	2
515	POSTINFLAMMATORY PULMONARY FIBROSIS	86	42	44	83	40	43	3	2	1
516	OTHER ALVEOLAR AND PARIETOALVEOLAR PNEUMOPATHY	16	11	5	15	10	5	1	1	0
518	OTHER DISEASES OF LUNG	147	96	51	143	94	49	4	2	2
519	OTHER DISEASES OF RESPIRATORY SYSTEM	25	10	15	24	9	15	1	1	0
*520 579	IX. DISEASES OF THE DIGESTIVE SYSTEM	2147	1125	1022	2072	1083	989	73	41	32
520-529	DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	4	1	3	4	1	3	0	0	0
522	DISEASES OF PULP AND PERIAPICAL TISSUES	1	0	1	1	0	1	0	0	0
527	DISEASES OF THE SALIVARY GLANDS	2	0	2	2	0	2	0	0	0
528	DISEASES OF THE ORAL SOFT TISSUES, EXCLUDING LESIONS SPECIFIC FOR GINGIVA AND TONGUE	1	1	0	1	1	0	0	0	0
530-537	DISEASES OF ESOPHAGUS, STOMACH, AND DUODENUM	208	94	114	204	93	111	4	1	3
530	DISEASES OF OESOPHAGUS	41	23	18	41	23	18	0	0	0
531	GASTRIC ULCER	45	12	33	44	12	32	1	0	1
532	DUODENAL ULCER	50	26	24	49	26	23	1	0	1
533	PEPTIC ULCER, SITE UNSPECIFIED	37	14	23	35	13	22	2	1	1
534	GASTROJEJUNAL ULCER	1	1	0	1	1	0	0	0	0
535	GASTRITIS AND DUODENITIS	16	9	7	16	9	7	0	0	0
536	DISORDERS OF FUNCTION OF STOMACH	2	1	1	2	1	1	0	0	0
537	OTHER DISORDERS OF STOMACH AND DUODENUM	16	8	8	16	8	8	0	0	0
540-543	APPENDICITIS	16	5	11	16	5	11	0	0	0

TABLE C-15 (CONTINUED)

1983

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	IX. DISEASES OF THE DIGESTIVE SYSTEM (CONTINUED)									
540	ACUTE APPENDICITIS	16	5	11	16	5	11	0	0	0
550-553	HERNIA OF ABDOMINAL CAVITY	43	17	26	39	16	23	4	1	3
550	INGUINAL HERNIA	7	5	2	6	5	1	1	0	1
551	OTHER HERNIA OF ABDOMINAL CAVITY, WITH GANGRENE	7	3	4	5	2	3	2	1	1
552	OTHER HERNIA OF ABDOMINAL CAVITY WITH OBSTRUCTION, WITHOUT MENTION OF GANGRENE	19	5	14	18	5	13	1	0	1
553	OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBSTRUCTION OR GANGRENE	10	4	6	10	4	6	0	0	0
555-558	NONINFECTIVE ENTERITIS AND COLITIS	226	101	125	219	98	121	7	3	4
555	REGIONAL ENTERITIS	9	2	7	8	2	6	1	0	1
556	IDIOPATHIC PROCTOCOLITIS	13	6	7	13	6	7	0	0	0
557	VASCULAR INSUFFICIENCY OF INTESTINE	184	83	101	179	81	98	5	2	3
558	OTHER NONINFECTIVE GASTROENTERITIS AND COLITIS	20	10	10	19	9	10	1	1	0
560-569	OTHER DISEASES OF INTESTINE AND PERITONEUM	342	133	209	333	129	204	8	4	4
560	INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	106	39	67	103	38	65	3	1	2
562	DIVERTICULA OF INTESTINE	106	32	74	104	32	72	1	0	1
564	FUNCTIONAL DIGESTIVE DISORDERS, NOT ELSEWHERE CLASSIFIED	7	2	5	7	2	5	0	0	0
566	ABCESS OF ANAL AND RECTAL REGIONS	1	0	1	1	0	1	0	0	0
567	PERITONITIS	51	23	28	49	22	27	2	1	1
568	OTHER DISORDERS OF PERITONEUM	6	2	4	6	2	4	0	0	0
569	OTHER DISORDERS OF INTESTINE	65	35	30	63	33	30	2	2	0
570-579	OTHER DISEASES OF DIGESTIVE SYSTEM	1308	774	534	1257	741	516	50	32	18
570	ACUTE AND SUBACUTE NECROSIS OF LIVER	15	8	7	13	7	6	2	1	1
571	CHRONIC LIVER DISEASE AND CIRRHOSIS	692	434	258	667	418	249	24	15	9
572	LIVER ABSCESS AND SEQUELAE OF CHRONIC LIVER DISEASE	132	93	39	128	91	37	4	2	2
573	OTHER DISORDERS OF LIVER	46	29	17	44	28	16	2	1	1
574	CHOLELITHIASIS	34	15	19	32	13	19	2	2	0
575	OTHER DISORDERS OF GALLBLADDER	49	23	26	48	22	26	1	1	0
576	OTHER DISORDERS OF BILIARY TRACT	37	17	20	37	17	20	0	0	0
577	DISEASES OF PANCREAS	63	36	27	59	35	24	4	1	3
578	GASTROINTESTINAL HAEMORRHAGE	234	116	118	223	107	116	11	9	2
579	INTESTINAL MALABSORPTION	6	3	3	6	3	3	0	0	0
*580 629	X. DISEASES OF THE GENITOURINARY SYSTEM	912	392	520	868	377	491	44	15	29
580-589	NEPHRITIS AND NEPHROSIS	570	257	313	537	245	292	33	12	21
580	ACUTE GLOMERULONEPHRITIS	2	0	2	2	0	2	0	0	0
581	NEPHROTIC SYNDROME	7	3	4	7	3	4	0	0	0
582	CHRONIC GLOMERULONEPHRITIS	22	5	17	21	4	17	1	1	0
583	NEPHRITIS AND NEPHROPATHY, NOT SPECIFIED AS ACUTE OR CHRONIC	7	2	5	5	2	3	2	0	2
584	ACUTE RENAL FAILURE	90	34	56	86	34	52	4	0	4
585	CHRONIC RENAL FAILURE	143	68	75	131	65	66	12	3	9
586	RENAL FAILURE, UNSPECIFIED	298	145	153	284	137	147	14	8	6
587	RENAL SCLEROSIS, UNSPECIFIED	1	0	1	1	0	1	0	0	0
590-599	OTHER DISEASES OF URINARY SYSTEM	320	118	202	309	115	194	11	3	8
590	INFECTIONS OF KIDNEY	43	10	33	43	10	33	0	0	0

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1983

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	X. DISEASES OF THE GENITOURINARY SYSTEM (CONTINUED)									
591	HYDRONEPHROSIS	3	1	2	3	1	2	0	0	0
592	CALCULUS OF KIDNEY AND URETER	5	1	4	5	1	4	0	0	0
593	OTHER DISORDERS OF KIDNEY AND URETER	30	17	13	27	15	12	3	2	1
594	CALCULUS OF LOWER URINARY TRACT	1	1	0	1	1	0	0	0	0
595	CYSTITIS	3	0	3	3	0	3	0	0	0
596	OTHER DISORDERS OF BLADDER	3	1	2	3	1	2	0	0	0
598	URETHRAL STRICTURE	1	1	0	1	1	0	0	0	0
599	OTHER DISORDERS OF URETHRA AND URINARY TRACT	231	86	145	223	85	138	8	1	7
600-608	DISEASES OF MALE GENITAL ORGANS	17	17	0	17	17	0	0	0	0
600	HYPERPLASIA OF PROSTATE	12	12	0	12	12	0	0	0	0
602	OTHER DISORDERS OF PROSTATE	2	2	0	2	2	0	0	0	0
608	OTHER DISORDERS OF MALE GENITAL ORGANS	3	3	0	3	3	0	0	0	0
614-616	INFLAMMATORY DISEASE OF FEMALE PELVIC ORGANS	3	0	3	3	0	3	0	0	0
614	INFLAMMATORY DISEASE OF OVARY,FALLOPIAN TUBE, PELVIC CELLULAR TISSUE AND PERITONIUM	1	0	1	1	0	1	0	0	0
615	INFLAMMATORY DISEASES OF UTERUS, EXCEPT CERVIX	2	0	2	2	0	2	0	0	0
617-629	OTHER DISORDERS OF FEMALE GENITAL TRACT	2	0	2	2	0	2	0	0	0
620	NONINFLAMMATORY DISORDERS OF OVARY, FALLOPIAN TUBE AND BROAD LIGAMENT	2	0	2	2	0	2	0	0	0
*630 676	XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND PUERPERIUM	3	0	3	2	0	2	1	0	1
630-639	PREGNANCY WITH ABORTIVE OUTCOME	1	0	1	1	0	1	0	0	0
633	ECTOPIC PREGNANCY	1	0	1	1	0	1	0	0	0
640-648	COMPLICATIONS MAINLY RELATED TO PREGNANCY	1	0	1	1	0	1	0	0	0
648	OTHER CURRENT CONDITIONS IN THE MOTHER CLASSIFIABLE ELSEWHERE BUT COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	1	0	1	1	0	1	0	0	0
670-676	COMPLICATIONS OF THE PUERPERIUM	1	0	1	0	0	0	1	0	1
673	OBSTETRICAL PULMONARY EMBOLISM	1	0	1	0	0	0	1	0	1
*680 709	XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	82	33	49	81	32	49	1	1	0
680-686	INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	21	8	13	21	8	13	0	0	0
681	CELLULITIS AND ABSCESS OF FINGER AND TOE	1	0	1	1	0	1	0	0	0
682	OTHER CELLULITIS AND ABSCESS	15	5	10	15	5	10	0	0	0
686	OTHER LOCAL INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	5	3	2	5	3	2	0	0	0
690-698	OTHER INFLAMMATORY CONDITIONS OF SKIN AND SUBCUTANEOUS TISSUE	11	5	6	10	4	6	1	1	0
694	BULLOUS DERMATOSES	4	2	2	4	2	2	0	0	0
695	ERYTHEMATOUS CONDITIONS	6	2	4	5	1	4	1	1	0
696	PSORIASIS AND SIMILAR DISORDERS	1	1	0	1	1	0	0	0	0
700-709	OTHER DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	50	20	30	50	20	30	0	0	0

TABLE C-15 (CONTINUED)

1983

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE (CONTINUED)									
707	CHRONIC ULCER OF SKIN	50	20	30	50	20	30	0	0	0
*710 739	XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	150	40	110	145	39	106	5	1	4
710-719	ARTHROPATHIES AND RELATED DISORDERS	102	24	78	98	23	75	4	1	3
710	DIFFUSE DISEASES OF CONNECTIVE TISSUE	41	7	34	37	6	31	4	1	3
711	ARTHROPATHY ASSOCIATED WITH INFECTIONS	3	1	2	3	1	2	0	0	0
714	RHEUMATOID ARTHRITIS AND OTHER INFLAMMATORY POLYARTHROPATHIES	41	10	31	41	10	31	0	0	0
715	OSTEOARTHROSIS AND ALLIED DISORDERS	12	4	8	12	4	8	0	0	0
716	OTHER AND UNSPECIFIED ARTHROPATHIES	3	1	2	3	1	2	0	0	0
718	OTHER DERANGEMENT OF JOINT	2	1	1	2	1	1	0	0	0
720-724	DORSOPATHIES	7	5	2	7	5	2	0	0	0
720	ANKYLOSING SPONDYLITIS AND OTHER INFLAMMATORY SPONDYLOPATHIES	3	3	0	3	3	0	0	0	0
721	SPONDYLOSIS AND ALLIED DISORDERS	3	1	2	3	1	2	0	0	0
724	OTHER AND UNSPECIFIED DISORDERS OF BACK	1	1	0	1	1	0	0	0	0
725-729	RHEUMATISM, EXCLUDING THE BACK	8	4	4	8	4	4	0	0	0
725	POLYMYALGIA RHEUMATICA	3	1	2	3	1	2	0	0	0
726	PERIPHERAL ENTHESOPATHIES AND ALLIED SYNDROMES	1	1	0	1	1	0	0	0	0
728	DISORDERS OF MUSCLE, LIGAMENT AND FASCIA	1	1	0	1	1	0	0	0	0
729	OTHER DISORDERS OF SOF, TISSUES	3	1	2	3	1	2	0	0	0
730-739	OSTEOPATHIES CHRONDROPATHIES & ACQUIRED MUSCULOSKELATAL DEFORMITIES	33	7	26	32	7	25	1	0	1
730	OSTEOMYELITIS, PERIOSTITIS AND OTHER INFECTIONS INVOLVING BONE	7	1	6	7	1	6	0	0	0
731	OSTEITIS DEFORMANS AND OSTEOPATHIES ASSOCIATED WITH OTHER DISORDERS CLASSIFIED ELSEWHERE	4	1	3	4	1	3	0	0	0
733	OTHER DISORDERS OF BONE AND CARTILAGE	12	1	11	12	1	11	0	0	0
737	CURVATURE OF SPINE	10	4	6	9	4	5	1	0	1
*740 759	XIV. CONGENITAL ANOMALIES	244	128	116	224	120	104	20	8	12
740	ANENCEPHALUS AND SIMILAR ANOMALIES	13	2	11	10	2	8	3	0	3
741	SPINA BIFIDA	4	2	2	4	2	2	0	0	0
742	OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	19	8	11	17	8	9	2	0	2
745	BULBUS CORDIS ANOMALIES AND ANOMALIES OF CARDIAC SEPTAL CLOSURE	25	17	8	22	16	6	3	1	2
746	OTHER CONGENITAL ANOMALIES OF HEART	54	27	27	50	25	25	4	2	2
747	OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	31	16	15	30	16	14	1	0	1
748	CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	20	14	6	20	14	6	0	0	0
749	CLEFT PALATE AND CLEFT LIP	1	1	0	1	1	0	0	0	0
751	OTHER CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	4	3	1	3	2	1	1	1	0
753	CONGENITAL ANOMALIES OF URINARY SYSTEM	14	11	3	14	11	3	0	0	0
754	CERTAIN CONGENITAL MUSCULOSKELETAL DEFORMITIES	1	1	0	1	1	0	0	0	0
755	OTHER CONGENITAL ANOMALIES OF LIMBS	1	0	1	1	0	1	0	0	0
756	OTHER CONGENITAL MUSCULOSKELETAL ANOMALIES	18	9	9	16	8	8	2	1	1
758	CHROMOSOMAL ANOMALIES	19	8	11	17	6	11	2	2	0

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1983

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	XIV. CONGENITAL ANOMALIES (CONTINUED)									
759	OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	20	9	11	18	8	10	2	1	1
*760 779	XV. CERTAIN CONDITIONS ORIGINATING IN PERINATAL PERIOD	357	205	152	296	169	127	59	35	24
760	FETUS OR NEWBORN AFFECTED BY MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	7	4	3	7	4	3	0	0	0
761	FETUS OR NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF FREGNANCY	36	22	14	30	20	10	6	2	4
762	FETUS OR NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA CORD AND MEMBRANES	24	10	14	22	9	13	2	1	1
763	FETUS OR NEWBORN AFFECTED BY OTHER COMPLICATIONS OF LABOUR AND DELIVERY	2	1	1	2	1	1	0	0	0
765	DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	58	29	29	44	20	24	14	9	5
767	BIRTH TRAUMA	7	7	0	7	7	0	0	0	0
768	INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	21	12	9	20	12	8	1	0	1
769	RESPIRATORY DISTRESS SYNDROME	43	26	17	37	21	16	5	4	1
770	OTHER RESPIRATORY CONDITIONS OF FETUS AND NEWBORN	56	36	20	47	30	17	8	6	2
771	INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	8	7	1	7	7	0	1	0	1
772	FETAL AND NEONATAL HAEMORRHAGE	13	9	4	11	7	4	2	2	0
774	OTHER PERINATAL JAUNDICE	1	1	0	1	1	0	0	0	0
775	ENDOCRINE AND METABOLIC DISTURBANCES SPECIFIC TO THE FETUS AND NEWBORN	1	1	0	1	1	0	0	0	0
776	HAEMATOLOGICAL DISORDERS OF FETUS AND NEWBORN	1	1	0	1	1	0	0	0	0
777	PERINATAL DISORDERS OF DIGESTIVE SYSTEM	6	4	2	3	3	0	3	1	2
778	CONDITIONS INVOLVING THE INTEGUMENT AND TEMPERATURE REGULATION OF FETUS AND NEWBORN	5	3	2	3	2	1	2	1	1
779	OTHER AND ILL-DEFINED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	68	32	36	53	23	30	15	9	6
*780 799	XVI. SYMPTOMS SIGNS, AND ILL-DEFINED CONDITIONS	431	246	185	376	209	167	51	34	17
780-789	SYMPTOMS	46	22	24	43	19	24	3	3	0
780	GENERAL SYMPTOMS	7	4	3	7	4	3	0	0	0
782	SYMPTOMS INVOLVING SKIN AND OTHER INTEGUMENTARY TISSUE	2	0	2	2	0	2	0	0	0
783	SYMPTOMS CONCERNING NUTRITION,METABOLISM AND DEVELOPMENT	1	1	0	1	1	0	0	0	0
785	SYMPTOMS INVOLVING CARDIOVASCULAR SYSTEM	30	13	17	28	11	17	2	2	0
786	SYMPTOMS INVOLVING RESPIRATORY SYSTEM AND OTHER CHEST SYMPTOM	5	3	2	4	2	2	1	1	0
789	OTHER SYMPTOMS INVOLVING ABDOMEN AND PELVIS	1	1	0	1	1	0	0	0	0
797-799	ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY	385	224	161	333	190	143	48	31	17
797	SENILITY WITHOUT MENTION OF PSYCHOSIS	16	1	15	16	1	15	0	0	0
798	SUDDEN DEATH, CAUSE UNKNOWN	102	71	31	87	61	26	15	10	5
799	OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY	267	152	115	230	128	102	33	21	12

TABLE C-15 (CONTINUED)

1983

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS TOT	TOTALS MALE	TOTALS FEM	WHITE TOT	WHITE MALE	WHITE FEM	NON-WHITE TOT	NON-WHITE MALE	NON-WHITE FEM
*800 999	XVII. EXTERNAL CAUSES OF INJURY AND POISONING	2680	1823	857	2515	1698	817	160	122	38
800-807	RAILWAY ACCIDENTS	14	11	3	12	10	2	2	1	1
805	HIT BY ROLLING STOCK	14	11	3	12	10	2	2	1	1
810-819	MOTOR VEHICLE TRAFFIC ACCIDENTS	731	522	209	701	500	201	29	22	7
812	OTHER ACCIDENT INVOLVING COLLISION WITH ANOTHER MOTOR VEHICLE	223	152	71	217	147	70	6	5	1
813	INVOLVING COLLISION WITH OTHER VEHICLE	17	13	4	14	10	4	3	3	0
814	INVOLVING COLLISION WITH PEDESTRIAN	171	111	60	161	106	55	10	5	5
815	OTHER ACCIDENT INVOLVING COLLISION ON THE HIGHWAY	217	166	51	211	161	50	6	5	1
816	DUE TO LOSS OF CONTROL, WITHOUT COLLISION ON THE HIGHWAY	58	49	9	56	47	9	2	2	0
817	NONCOLLISION ACCIDENT WHILE BOARDING OR ALIGHTING	1	1	0	1	1	0	0	0	0
818	OTHER NONCOLLISION MOTOR VEHICLE TRAFFIC ACCIDENT	20	13	7	20	13	7	0	0	0
819	OF UNSPECIFIED NATURE	24	17	7	21	15	6	2	2	0
820-825	MOTOR VEHICLE NONTRAFFIC ACCIDENTS	11	11	0	9	9	0	2	2	0
820	INVOLVING MOTOR-DRIVEN SNOW VEHICLE	1	1	0	1	1	0	0	0	0
821	INVOLVING OTHER OFF-ROAD MOTOR VEHICLE	3	3	0	2	2	0	1	1	0
822	OTHER ACCIDENT INVOLVING COLLISION WITH MOVING OBJECT	1	1	0	1	1	0	0	0	0
823	OTHER ACCIDENT INVOLVING COLLISION WITH STATIONARY OBJECT	2	2	0	1	1	0	1	1	0
825	OTHER ACCIDENT OF OTHER AND UNSPECIFIED NATURE	4	4	0	4	4	0	0	0	0
826-829	OTHER ROAD VEHICLE ACCIDENTS	1	1	0	1	1	0	0	0	0
826	PEDAL CYCLE ACCIDENT	1	1	0	1	1	0	0	0	0
830-838	WATER TRANSPORT ACCIDENTS	18	18	0	16	16	0	2	2	0
830	ACCIDENT TO WATERCRAFT CAUSING SUBMERSION	9	9	0	8	8	0	1	1	0
831	ACCIDENT TO WATERCRAFT CAUSING OTHER INJURY	1	1	0	1	1	0	0	0	0
832	OTHER ACCIDENTAL SUBMERSION OR DROWNING IN WATER TRANSPORT ACCIDENT	6	6	0	6	6	0	0	0	0
838	OTHER AND UNSPECIFIED WATER TRANSPORT ACCIDENT	2	2	0	1	1	0	1	1	0
840-845	AIR AND SPACE TRANSPORT ACCIDENTS	12	7	5	12	7	5	0	0	0
840	ACCIDENT TO POWERED AIRCRAFT AT TAKEOFF OR LANDING	3	0	3	3	0	3	0	0	0
841	ACCIDENT TO POWERED AIRCRAFT,OTHER AND UNSPECIFIED	8	6	2	8	6	2	0	0	0
844	OTHER SPECIFIED AIR TRANSPORT ACCIDENTS	1	1	0	1	1	0	0	0	0
850-858	ACCIDENTAL POISONING BY DRUGS AND MEDICAMENTS	67	48	19	64	47	17	3	1	2
850	BY ANALGESICS,ANTIPYRETIC,ANTIRHEUMATICS	16	10	6	15	10	5	1	0	1
851	BY BARBITURATES	2	2	0	2	2	0	0	0	0
853	BY TRANQUILLIZERS	4	4	0	4	4	0	0	0	0
854	BY OTHER PSYCHOTROPIC AGENTS	1	1	0	1	1	0	0	0	0
855	BY OTHER DRUGS ACTING ON CENTRAL AND AUTONOMIC NERVOUS SYSTEMS	8	5	3	7	5	2	1	0	1
856	BY ANTIBIOTICS	2	1	1	2	1	1	0	0	0
858	BY OTHER DRUGS	34	25	9	33	24	9	1	1	0
860-869	ACCIDENTAL POISONING BY OTHER SUBSTANCES GASES AND VAPOURS	36	25	11	33	23	10	3	2	1
860	BY ALCOHOL, NOT ELSEWHERE CLASSIFIED	3	2	1	3	2	1	0	0	0
862	BY PETROLEUM PRODUCTS,OTHER SOLVENTS AND THEIR VAPOURS, NOT ELSEWHERE CLASSIFIED	2	2	0	2	2	0	0	0	0
866	BY OTHER AND UNSPECIFIED SOLID AND LIQUID SUBSTANCES	1	1	0	0	0	0	1	1	0
867	BY GAS DISTRIBUTED BY PIPELINE	3	3	0	3	3	0	0	0	0

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1983

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	XVII. EXTERNAL CAUSES OF INJURY AND POISONING (CONTINUED)									
868	BY OTHER UTILITY GAS AND OTHER CARBON MONOXIDE	23	14	9	21	13	8	2	1	1
869	BY OTHER GASES AND VAPOURS	4	3	1	4	3	1	0	0	0
870-876	MISADVENTURE TO PATIENTS DURING SURGICAL AND MEDICAL CARE	4	2	2	4	2	2	0	0	0
870	ACCIDENTAL CUT, PUNCTURE, PERFORATION OR HAEMORRHAGE DURING MEDICAL CARE	4	2	2	4	2	2	0	0	0
878-879	SURGICAL & MEDICAL PROCEDURES AS CAUSE OF LATER COMPLICATION	56	23	33	53	21	32	3	2	1
878	SURGICAL OPERATION/OTHER PROCEDURES AS CAUSE OF ABNORMAL REACTION/LATER COMPLICATION W/O MENTION AT TIME OF OPERATION	49	19	30	46	17	29	3	2	1
879	OTHER PROCEDURES W/O MENTION AT TIME,AS CAUSE OF ABNORMAL REACTION OR LATER COMPLICATION	7	4	3	7	4	3	0	0	0
880-888	ACCIDENTAL FALLS	405	183	222	398	179	219	7	4	3
880	FALL ON OR FROM STAIRS OR STEPS	46	27	19	46	27	19	0	0	0
881	FALL ON OR FROM LADDERS OR SCAFFOLDING	7	7	0	7	7	0	0	0	0
882	FALL FROM OR OUT OF BUILDING OR OTHER STRUCTURE	13	11	2	12	10	2	1	1	0
883	FALL INTO HOLE OR OTHER OPENING IN SURFACE	3	3	0	3	3	0	0	0	0
884	OTHER FALL FROM ONE LEVEL TO ANOTHER	34	21	13	31	20	11	3	1	2
885	FALL ON SAME LEVEL FROM SLIPPING,TRIPPING OR STUMBLING	18	6	12	18	6	12	0	0	0
887	FRACTURE, CAUSE UNSPECIFIED	101	36	65	100	36	64	1	0	1
888	OTHER AND UNSPECIFIED FALL	183	72	111	181	70	111	2	2	0
890-899	ACCIDENTS CAUSED BY FIRES AND FLAMES	139	74	65	123	64	59	15	9	6
890	CONFLAGRATION IN PRIVATE DWELLING	115	57	58	100	48	52	14	8	6
891	CONFLAGRATION IN OTHER AND UNSPECIFIED BUILDING OR STRUCTURE	2	2	0	1	1	0	1	1	0
892	CONFLAGRATION NOT IN BUILDING OR STRUCTURE	1	1	0	1	1	0	0	0	0
893	ACCIDENT CAUSED BY IGNITION OF CLOTHING	12	6	6	12	6	6	0	0	0
894	IGNITION OF HIGHLY INFLAMMABLE MATERIAL	1	1	0	1	1	0	0	0	0
895	ACCIDENT CAUSED BY CONTROLLED FIRE IN PRIVATE DWELLING	1	0	1	1	0	1	0	0	0
898	ACCIDENT CAUSED BY OTHER SPECIFIED FIRE AND FLAMES	5	5	0	5	5	0	0	0	0
899	ACCIDENT CAUSED BY UNSPECIFIED FIRE	2	2	0	2	2	0	0	0	0
900-909	ACCIDENTS CAUSED BY NATURAL AND ENVIRONMENTAL FACTORS	33	24	9	32	23	9	1	1	0
900	EXCESSIVE HEAT	4	3	1	3	2	1	1	1	0
901	EXCESSIVE COLD	12	9	3	12	9	3	0	0	0
902	HIGH AND LOW AIR PRESSURE AND CHANGES IN AIR PRESSURE	1	1	0	1	1	0	0	0	0
904	HUNGER, THIRST, EXPOSURE, NEGLECT	10	5	5	10	5	5	0	0	0
907	LIGHTNING	2	2	0	2	2	0	0	0	0
908	CATACLYSMIC STORMS, AND FLOODS RESULTING FROM STORMS	2	2	0	2	2	0	0	0	0
909	CATACLYSMIC EARTH SURFACE MOVEMENTS AND ERUPTIONS	2	2	0	2	2	0	0	0	0
910-915	ACCIDENTS CAUSED BY SUBMERSION SUFFOCATION & FOREIGN BODIES	229	171	58	210	156	54	18	15	3
910	ACCIDENTAL DROWNING AND SUBMERSION	90	80	10	79	71	8	11	9	2
911	INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	48	30	18	45	28	17	3	2	1

TABLE C-15 (CONTINUED)

1983

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	XVII. EXTERNAL CAUSES OF INJURY AND POISONING (CONTINUED)									
912	INHALATION AND INGESTION OF OTHER OBJECT CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	63	37	26	59	33	26	4	4	0
913	ACCIDENTAL MECHANICAL SUFFOCATION	26	23	3	25	23	2	0	0	0
915	FOREIGN BODY ACCIDENTALLY ENTERING OTHER ORIFICE	2	1	1	2	1	1	0	0	0
916-928	OTHER ACCIDENTS	121	82	39	114	78	36	6	3	3
916	STRUCK ACCIDENTALLY BY FALLING OBJECT	10	8	2	9	8	1	1	0	1
917	STRIKING AGAINST OR STRUCK ACCIDENTALLY BY OBJECTS OR OR PERSON	5	4	1	4	3	1	0	0	0
918	CAUGHT ACCIDENTALLY IN OR BETWEEN OBJECTS	2	2	0	2	2	0	0	0	0
919	ACCIDENTS CAUSED BY MACHINERY	5	3	2	5	3	2	0	0	0
920	ACCIDENTS CAUSED BY CUTTING AND PIERCING INSTRUMENTS OR OBJECT	3	1	2	2	0	2	1	1	0
922	ACCIDENT CAUSED BY FIREARM MISSILE	12	10	2	12	10	2	0	0	0
923	ACCIDENT CAUSED BY EXPLOSIVE MATERIAL	1	0	1	1	0	1	0	0	0
924	ACCIDENT CAUSED BY HOT SUBSTANCE OR OBJECT, CAUSTIC OR CORROSION MATERIAL AND STEAM	2	1	1	1	0	1	1	1	0
925	ACCIDENT CAUSED BY ELECTRIC CURRENT	10	10	0	10	10	0	0	0	0
928	OTHER AND UNSPECIFIED ENVIRONMENTAL AND ACCIDENTAL CAUSES	71	43	28	68	42	26	3	1	2
929-929	LATE EFFECTS OF ACCIDENTAL INJURY	9	4	5	8	3	5	1	1	0
929	LATE EFFECTS OF ACCIDENTAL INJURY	9	4	5	8	3	5	1	1	0
930-949	DRUGS MEDICAMENTS AND BIOLOGICAL SUBSTANCES IN THERAPY	5	3	2	5	3	2	0	0	0
930	ANTIBIOTICS	1	1	0	1	1	0	0	0	0
947	OTHER AND UNSPECIFIED DRUGS AND MEDICAMENTS	4	2	2	4	2	2	0	0	0
950-959	SUICIDE AND SELF-INFLICTED INJURY	529	420	109	514	407	107	15	13	2
950	BY SOLID OR LIQUID SUBSTANCES	65	35	30	65	35	30	0	0	0
952	BY OTHER GASES AND VAPOURS	64	56	8	63	55	8	1	1	0
953	BY HANGING, STRANGULATION AND SUFFOCATION	183	144	39	177	138	39	6	6	0
954	BY SUBMERSION (DROWNING)	13	7	6	12	6	6	1	1	0
955	BY FIREARMS AND EXPLOSIVES	156	143	13	152	139	13	4	4	0
956	BY CUTTING AND PIERCING INSTRUMENTS	12	10	2	12	10	2	0	0	0
957	BY JUMPING FROM HIGH PLACE	22	13	9	20	13	7	2	0	2
958	BY OTHER AND UNSPECIFIED MEANS	14	12	2	13	11	2	1	1	0
960-969	HOMICIDE AND INJURY PURPOSELY INFLICTED BY OTHER PERSONS	197	145	52	146	103	43	50	41	9
963	ASSAULT BY HANGING AND STRANGULATION	17	5	12	14	5	9	3	0	3
964	ASSAULT BY SUBMERSION (DROWNING)	1	1	0	1	1	0	0	0	0
965	ASSAULT BY FIREARMS AND EXPLOSIVES	84	69	15	61	46	15	23	23	0
966	ASSAULT BY CUTTING AND PIERCING INSTRUMENT	60	43	17	39	27	12	20	15	5
967	CHILD BATTERING AND OTHER MALTREATMENT	2	2	0	1	1	0	1	1	0
968	ASSAULT BY OTHER AND UNSPECIFIED MEANS	33	25	8	30	23	7	3	2	1
970-978	LEGAL INTERVENTION	6	6	0	4	4	0	2	2	0
970	BY FIREARMS	6	6	0	4	4	0	2	2	0
980-989	INJURY UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	57	43	14	56	42	14	1	1	0
980	POISONING BY SOLID OR LIQUID SUBSTANCES,UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	29	19	10	29	19	10	0	0	0

TABLE C-15

1983

ICD. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	XVII. EXTERNAL CAUSES OF INJURY AND POISONING (CONTINUED)									
982	POISONING BY OTHER GASES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	4	2	2	4	2	2	0	0	0
983	HANGING, STRANGULATION OR SUFFOCATION, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	4	4	0	4	4	0	0	0	0
984	SUBMERSION (DROWNING), UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	7	7	0	7	7	0	0	0	0
985	INJURY BY FIREARMS AND EXPLOSIVES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	2	2	0	2	2	0	0	0	0
987	FALLING FROM HIGH PLACE, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	3	3	0	2	2	0	1	1	0
988	INJURY BY OTHER AND UNSPECIFIED MEANS, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	8	6	2	8	6	2	0	0	0
	RESIDENT GRAND TOTALS	54150	26891	27259	52412	25906	26506	1696	957	739

TOTALS INCLUDE 42 OF UNKNOWN RACE: 28 MALES AND 14 FEMALES.

NEONATAL AND INFANT DEATHS

SECTION D

INFANT AND NEONATAL MORTALITY

In 1983, the numbers and rates of infant and neonatal deaths decreased. The rate for infant deaths (deaths under 1 year) fell from 10.1 per 1,000 live births in 1982 to 9.0, a 10.7% decrease. The neonatal death (deaths under 28 days) rate fell from 7.6 per 1,000 to 6.3, a decrease of 15.9%. The increase of infant and neonatal deaths in 1982 interrupted a steady downward trend over the last several years. The rates for 1983 represent the lowest ever recorded in Massachusetts.

The majority (66.2%) of neonatal deaths occurred in babies less than one day old. Deaths to babies under one week old constituted 89.6% of all neonatal deaths. Neonatal deaths represented 70.7% of all infant deaths. In 1982, neonatal deaths were approximately 75% of all infant deaths.

Of the 482 neonatal deaths, 70.3% were due to "certain conditions originating in the perinatal period" (ICD-9 codes 760-779) and an additional 22.8% were due to "congenital anomalies" (ICD-9 codes 740-759).

The number of infant deaths in the post-neonatal stage decreased by nine in 1983 to 200. The causes of death for this group were somewhat different with 38.5% due to Sudden Infant Death Syndrome, and 19% due to congenital anomalies. Table D-3 describes more specifically cause of death by age and sex for these deaths.

A disproportionate number of the infant and neonatal deaths were to non-white babies. Of all babies born to residents of the Commonwealth in 1983, 9.2% were non-white and 2.2 were of unknown race. Of the infant deaths, 14.8% were non-white and 14.5% of the neonatal deaths were non-white. Perinatal mortality is, in fact, the fifth leading cause of death for non-white in Massachusetts.

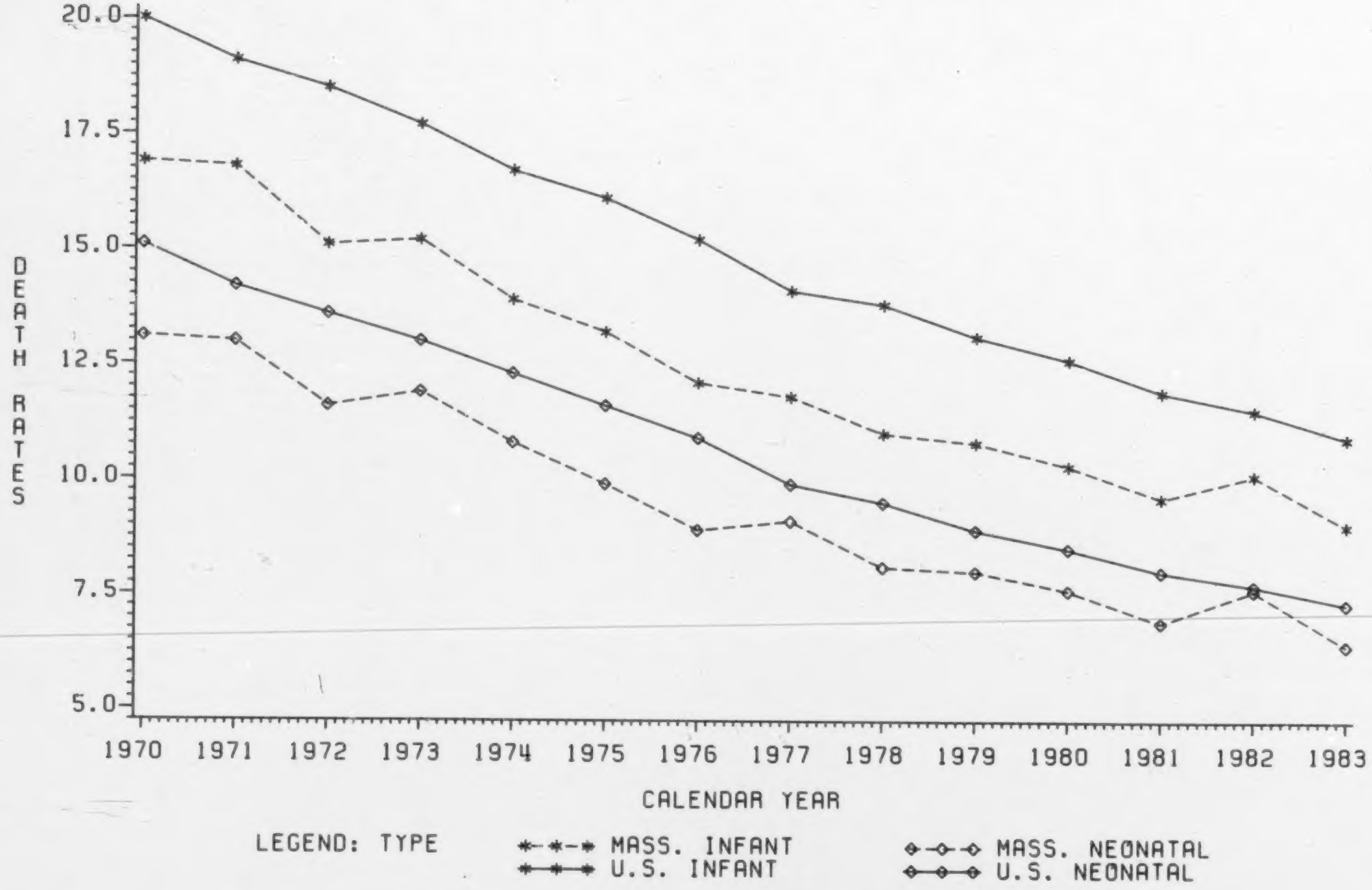
Neonatal mortality is strongly related to birthweight. Babies of immature birthweight (under 2500 grams or 5 pounds, 8 ounces) accounted for only 5.9% of all babies born in 1983, but neonatal deaths matched with birth records reflected 73.1% of the deaths were to low weight babies.

FIGURE D-1

INFANT AND NEONATAL DEATH RATES

MASSACHUSETTS AND UNITED STATES

1970 TO 1983



1983 U.S. DATA IS PROVISIONAL

TABLE D-1
RESIDENT INFANT AND NEONATAL DEATHS, MASSACHUSETTS AND UNITED STATES
1970-1983

YEAR	DEATHS UNDER ONE YEAR			DEATHS UNDER 28 DAYS		
	MASS. NUMBER	PER 1,000 LIVE BIRTHS		MASS. NUMBER	PER 1,000 LIVE BIRTHS	
		MASS.	U.S.		MASS.	U.S.
1970	1,583	16.9	20.0	1,231	13.1	15.1
1971	1,462	16.8	19.1	1,130	13.0	14.2
1972	1,164	15.1	18.5	896	11.6	13.6
1973	1,104	15.2	17.7	861	11.9	13.0
1974	976	13.9	16.7	763	10.8	12.3
1975	903	13.2	16.1	678	9.9	11.6
1976	799	12.1	15.2	585	8.9	10.9
1977	806	11.8	14.1	616	9.1	9.9
1978	753	11.0	13.8	552	8.1	9.5
1979	760	10.8	13.1	564	8.0	8.9
1980	748	10.3	12.6	550	7.6	8.5
1981	710	9.6	11.9	510	6.9	8.0
1982	764	10.1	11.5	573	7.6	7.7
1983	682	9.0	10.9*	482	6.3	7.3*

*1983 U.S. RATES ARE PROVISIONAL.

FIGURE D-2

INFANT AND NEONATAL DEATH RATES BY RACE

MASSACHUSETTS

1975-1983

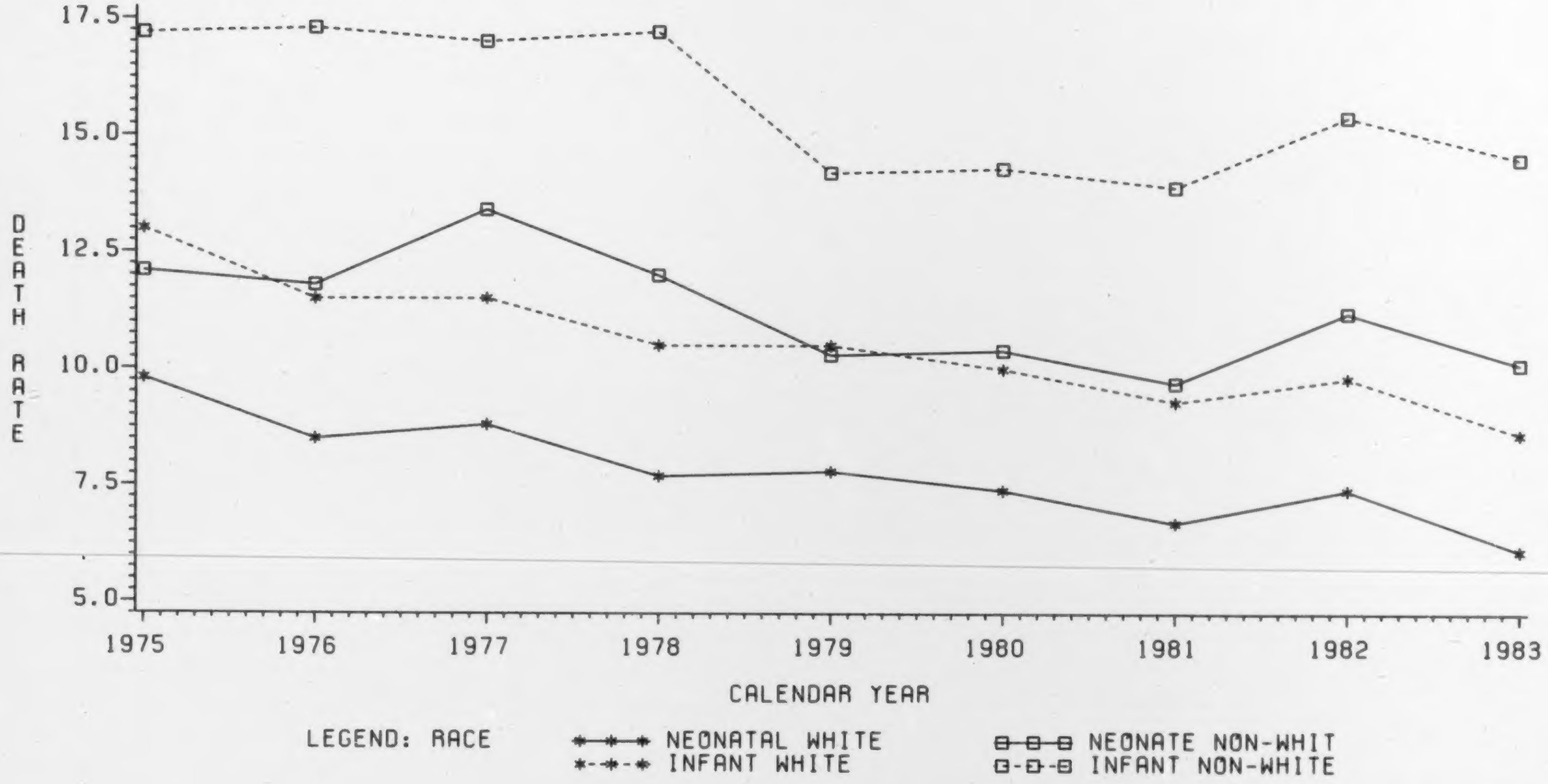


TABLE D-2
INFANT AND NEONATAL DEATHS BY AGE, SEX AND RACE, MASSACHUSETTS RESIDENTS
1983

	- WHITE -			- NON-WHITE -			- TOTAL -		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
LESS THAN 1 DAY*	147	119	267	29	20	50	177	140	319
1 DAY	26	17	43	4	4	8	30	21	51
2 DAYS	9	10	19	3	1	4	12	11	23
3 DAYS	8	5	13	1	2	3	9	7	16
4 DAYS	5	3	8	0	0	0	5	3	8
5 DAYS	5	1	6	0	0	0	5	1	6
6 DAYS	6	3	9	0	0	0	6	3	9
LESS THAN 1 WEEK*	206	158	365	37	27	65	244	186	432
7-13 DAYS	6	11	17	4	0	4	10	11	21
14-27 DAYS	18	10	28	1	0	1	19	10	29
LESS THAN 28 DAYS*	230	179	410	42	27	70	273	207	482
RATE	6.8	5.4	6.1	11.9	7.9	10.1	7.0	5.6	6.3
1 MONTH	20	20	40	4	5	9	24	25	49
2 MONTHS	19	7	26	3	1	4	22	8	30
3 MONTHS	24	7	31	3	3	6	27	10	37
4 MONTHS	10	4	14	1	0	1	11	4	15
5 MONTHS	6	3	9	3	1	4	9	4	13
6 MONTHS	6	2	8	1	1	2	7	3	10
7 MONTHS	9	6	15	1	0	1	10	6	16
8 MONTHS	3	3	6	0	0	0	3	3	6
9 MONTHS	4	5	9	2	0	2	6	5	11
10 MONTHS	1	4	5	1	0	1	2	4	6
11 MONTHS	4	2	6	1	0	1	5	2	7
TOTAL LESS THAN 1 YEAR*	336	242	579	62	38	101	399	281	682
RATE	9.7	7.3	8.6	17.5	11.1	14.5	10.3	7.6	9.0

*THE TOTAL FOR WHITE AND NON-WHITE EACH INCLUDES ONE OF UNKNOWN SEX AND TWO DEATHS ARE INCLUDED IN THE TOTAL OF UNKNOWN RACE.

TABLE D-3
NEONATAL AND INFANT DEATHS BY CAUSE, AGE AND SEX, MASSACHUSETTS RESIDENTS
1983

CAUSE	SEX	- NEONATAL AGE - <1 DAY	1-6 DAYS	7-27 DAYS	- POST NEONATAL AGE - 1-3 MOS	4-6 MOS	7-9 MOS	10-11 MOS	TOTAL
DISEASES OF THE NERVOUS SYSTEM & SENSE ORGANS (320-389)	M	0	0	1	0	0	2	0	3
	F	0	0	0	4	1	2	1	8
	T N	0	0	1	4	1	4	1	11
	%	0.0	0.0	2.0	3.4	2.6	12.1	7.7	1.6
DISEASES OF THE CIRCULATORY SYSTEM (390-459)	M	2	1	1	2	2	1	0	9
	F	0	2	0	2	3	0	1	8
	T N	2	3	1	4	5	1	1	17
	%	0.6	2.6	2.0	3.4	13.2	3.0	7.7	2.5
DISEASES OF THE RESPIRATORY SYSTEM (460-519)	M	1	1	0	1	1	3	1	8
	F	0	0	0	2	0	1	0	3
	T N	1	1	0	3	1	4	1	11
	%	0.3	0.9	0.0	2.6	2.6	12.1	7.7	1.6
DISEASES OF THE DISGESTIVE SYSTEM (520-579)	M	0	0	0	4	1	0	0	5
	F	0	0	0	1	0	0	0	1
	T N	0	0	0	5	1	0	0	6
	%	0.0	0.0	0.0	4.3	2.6	0.0	0.0	0.9
CONGENITAL ANOMALIES (740-759)									
Of nervous system (740-742)	M	2	1	1	1	0	1	1	7
	F	10	0	2	1	1	0	0	14
	T	12	1	3	2	1	1	1	21
Of heart and cir-Culatory systems (745-747)	M	1	10	7	5	5	1	1	30
	F	0	10	6	5	0	4	3	28
	T	1	20	13	10	5	5	4	58
Of respiratory system (748)	M	8	4	0	2	0	0	0	14
	F	2	2	1	0	0	0	0	5
	T	10	6	1	2	0	0	0	19
Chromosomal anomalies (758)	M	1	1	2	2	0	0	0	6
	F	2	3	1	3	0	0	0	9
	T	3	4	3	5	0	0	0	15
Other congenital anomalies (749-757, 759)	M	20	2	0	0	0	0	0	22
	F	7	3	0	1	0	1	3	12
	U	1	0	0	0	0	0	0	1
	T	28	5	0	1	0	1	0	35
TOTAL CONGENITAL ANOMALIES	M	32	18	10	10	5	2	2	79
	F	21	18	10	10	1	5	3	68
	U	1	0	0	0	0	0	0	1
	T N	54	36	20	20	6	7	5	148
	%	16.9	31.8	40.0	17.2	15.8	21.2	38.4	21.7
CERTAIN CONDITIONS ORIGINATING IN PERI-NATAL PERIOD (760-779)									
Maternal conditions (760-763)	M	34	3	0	0	0	0	0	37
	F	29	3	0	0	0	0	0	32
	T	63	6	0	0	0	0	0	69

TABLE D-3 (continued)
NEONATAL AND INFANT DEATHS BY CAUSE, AGE AND SEX, MASSACHUSETTS RESIDENTS
1983

CAUSE	SEX	- NEONATAL AGE -			- POST NEONATAL AGE -				TOTAL
		<1 DAY	1-6 DAYS	7-27 DAYS	1-3 MOS	4-6 MOS	7-9 MOS	10-11 MOS	
Disorders relating to short gestation (765)	M	28	1	0	0	0	0	0	29
	F	27	1	0	0	0	0	0	28
	U	1	0	0	0	0	0	0	1
	T	56	2	0	0	0	0	0	58
Interuterine hypoxia & birth asphyxia (768)	M	5	5	0	1	0	0	1	12
	F	7	2	0	0	0	0	0	9
	T	12	7	0	1	0	0	1	21
Respiratory distress syndrome (769)	M	12	10	1	2	0	0	0	25
	F	10	5	1	1	0	0	0	17
	T	22	15	2	3	0	0	0	42
Other respiratory infections of newborn (770)	M	24	8	0	1	2	1	0	36
	F	11	6	2	1	0	0	0	20
	T	35	14	2	2	2	1	0	56
Other and ill-defined (767, 771-779)	M	36	14	10	1	2	0	0	63
	F	33	5	5	1	0	0	0	44
	T	69	19	15	2	2	0	0	107
TOTAL OF CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	M	139	41	11	5	4	1	1	202
	F	117	22	8	3	0	0	0	150
	U	1	0	0	0	0	0	0	1
	T N	257	63	19	8	4	1	1	353
	%	80.6	55.8	38.0	6.9	10.5	3.0	7.7	51.8
SUDDEN INFANT DEATH SYNDROME (7980)	M	0	0	3	43	9	5	0	60
	F	0	0	1	15	4	1	0	21
	T N	0	0	4	58	13	6	0	81
	%	0.0	0.0	8.0	50.0	34.2	18.2	0.0	11.9
EXTERNAL CAUSES (800-999)	M	0	1.	1	4	2	0	2	10
	F	0	0	0	1	0	2	0	3
	T N	0	1	1	5	2	2	2	13
	%	0.0	0.9	2.0	4.3	5.3	6.1	15.4	1.9
ALL OTHER CAUSES	M	3	5	2	4	3	5	1	23
	F	2	4	2	5	2	3	1	19
	T N	5	9	4	19	5	8	2	42
	%	1.6	8.0	8.0	7.8	13.2	24.3	15.4	6.1
TOTAL	M	177	67	29	73	27	19	7	399
	F	140	46	21	43	11	14	6	281
	U	2	0	0	0	0	0	0	2
	T N	319	113	50	116	38	33	13	682
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

FIGURE D-3

NEONATAL DEATHS BY MEAN BIRTHWEIGHT

1969 TO 1983

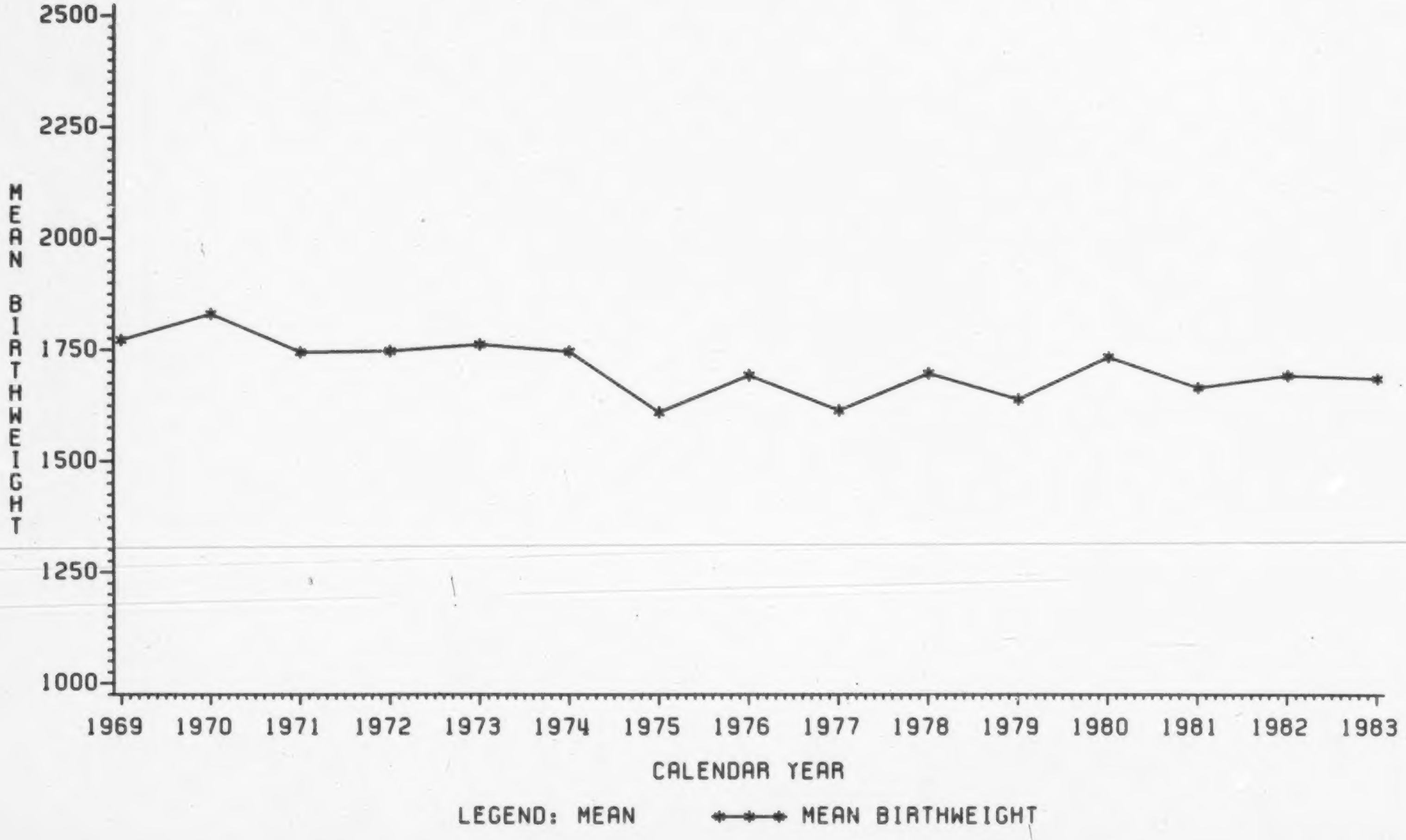


TABLE D-4
NEONATAL MORTALITY BY BIRTHWEIGHT*, MASSACHUSETTS RESIDENTS
1970-1983

		<500 gms	500-1499 gms	1500-2499 gms	2500-4499 gms	4500-8165 gms	UNKNOWN	ALL BIRTHWEIGHTS
1970	DEATHS	79	536	319	297	4	20	1,255
	BIRTHS	85	894	6,197	88,093	1,196	42	96,507
	RATE	929.4	599.6	51.5	3.4	3.3		13.0
1971	DEATHS	77	517	286	245	4	9	1,138
	BIRTHS	79	837	5,414	81,962	1,168	18	89,478
	RATE	974.6	617.7	52.8	3.0	3.4		12.7
1972	DEATHS	58	420	202	204	2	13	899
	BIRTHS	61	719	4,783	72,483	1,088	27	79,161
	RATE	950.8	584.1	42.2	2.8	1.8		11.4
1973	DEATHS	79	410	169	202	5	7	872
	BIRTHS	84	713	4,500	67,841	1,040	12	74,190
	RATE	940.4	575.0	37.6	3.0	4.8		11.8
1974	DEATHS	70	362	157	166	4	13	772
	BIRTHS	77	639	4,078	66,081	999	26	71,900
	RATE	909.0	566.5	38.5	2.5	4.0		10.7
1975	DEATHS	75	339	112	123	2	10	661
	BIRTHS	98	665	3,997	63,976	967	23	69,726
	RATE	765.3	509.8	28.0	1.9	2.1		9.5
1976	DEATHS	61	272	90	122	4	19	568
	BIRTHS	63	621	3,807	61,980	1,101	46	67,618
	RATE	968.2	438.0	23.6	2.0	3.6		8.4
1977	DEATHS	66	294	96	124	0	24	604
	BIRTHS	72	635	3,760	63,861	1,161	50	69,539
	RATE	916.6	463.0	25.5	1.9	0		8.7
1978	DEATHS	71	261	84	119	3	35	573
	BIRTHS	74	642	3,784	64,467	1,246	56	70,269
	RATE	959.4	406.5	22.2	1.8	2.4		8.2
1979	DEATHS	75	290	92	105	2	15	579
	BIRTHS	72	660	3,660	66,439	1,395	69	72,295
	RATE	1041.6	439.4	25.1	1.6	1.4		8.0
1980	DEATHS	89	248	76	118	4	30	565
	BIRTHS	91	653	3,745	68,245	1,450	67	74,251
	RATE	978.0	379.8	20.3	1.7	2.8		7.6
1981	DEATHS	77	208	58	99	4	36	482
	BIRTHS	84	662	3,735	69,512	1,501	52	75,546
	RATE	916.6	314.2	15.5	1.4	2.7		6.4
1982	DEATHS	95	276	71	128	3	16	589
	BIRTHS	91	748	3,685	71,339	1,525	53	77,441
	RATE	1043.9	369.0	19.3	1.8	2.0		7.6
1983	DEATHS	97	223	55	109	4	25	513
	BIRTHS	87	703	3,749	71,500	1,632	66	77,737
	RATE	1114.9	317.2	14.7	1.5	2.5		66

*THE FIGURES USED IN THIS TABLE CANNOT BE DIRECTLY COMPARED WITH OTHER TABLES IN THIS REPORT. NEONATAL MORTALITY STATISTICS BY BIRTHWEIGHT INCLUDE DEATHS TO INFANTS LESS THAN 28 DAYS OLD WHO WERE BORN TO RESIDENTS OF MASSACHUSETTS. DEATHS OCCURRING IN JANUARY OF THE SUBSEQUENT YEAR ARE ALSO INCLUDED IF THE BIRTH OCCURRED IN DECEMBER OF THE DATA YEAR. DEATHS OCCURRING IN JANUARY OF THE DATA YEAR ARE NOT INCLUDED IF THE BIRTH OCCURRED IN DECEMBER OF THE PREVIOUS YEAR. DENOMINATORS ARE OCCURRENCE BIRTHS OF THE DATA YEAR.

THE NUMBER OF NEONATAL DEATHS WEIGHING UNDER 500 GRAMS SOMETIMES EXCEEDS THE NUMBER OF BIRTHS. IN SOME CASES HOSPITALS NEGLECT TO FILE BIRTH RECORDS FOR SOME LOW BIRTHWEIGHT BABIES. ALTHOUGH THE BIRTH RECORDS ARE SUBSEQUENTLY FILED WHEN WE DISCOVER THESE ERRORS, THIS USUALLY OCCURS AFTER THE FILE USED TO PROVIDE THE DENOMINATORS IS COMPLETED FOR THE DATA YEAR.

MARRIAGES AND DIVORCES

SECTION E

MARRIAGES AND DIVORCES

Marriages and divorces are reported by place of occurrence in Massachusetts, and not by the residence of the parties involved. Marriages and divorces which involve Massachusetts residents but occur in other states are not included in these figures. There is no system of interstate information exchange for these events, as there is for births and deaths. It should be noted, however, that, unlike some states, Massachusetts marriage and divorce laws neither encourage out-of-state residents to come to the state nor discourage residents from utilizing the system by unreasonable waiting periods, etc. This allows the data to be used to estimate resident activity in this area.

There were 48,789 marriages performed in the Commonwealth during 1983, an increase of only 135 over the 1982 figure. The rate of 8.5 per 1,000 population was the same as 1982. Of the brides, 75% had never been married before, 2.7% were widowed and 22.3% were previously divorced. The previous marital status of grooms was similar. People under the age of twenty accounted for 9.7% of the brides and 3.2% of the grooms. June was still the most popular month with 12.5% of the weddings and January the least popular with only 3.9%.

There were 18,477 divorces granted in Massachusetts in 1983, a decrease of 1,054 (5.4%) from 1982, resulting in a rate of 3.2 per 1,000 population.

TABLE E-1
MARRIAGES AND DIVORCES BY COUNTY
1983

	MARRIAGES	DIVORCES
BARNSTABLE	1,865	628
BERKSHIRE	1,311	518
BRISTOL	4,029	1,675
DUKES	241	35
ESSEX	5,729	2,017
FRANKLIN	564	283
HAMPDEN	3,699	1,503
HAMPSHIRE	1,011	390
MIDDLESEX	11,674	4,421
NANTUCKET	180	17
NORFOLK	4,856	1,537
PLYMOUTH	3,193	1,477
SUFFOLK	4,924	1,623
WORCESTER	5,513	2,353
TOTAL	48,789	18,477

FIGURE E-1

RATES OF MARRIAGE AND DIVORCE

1900–1983

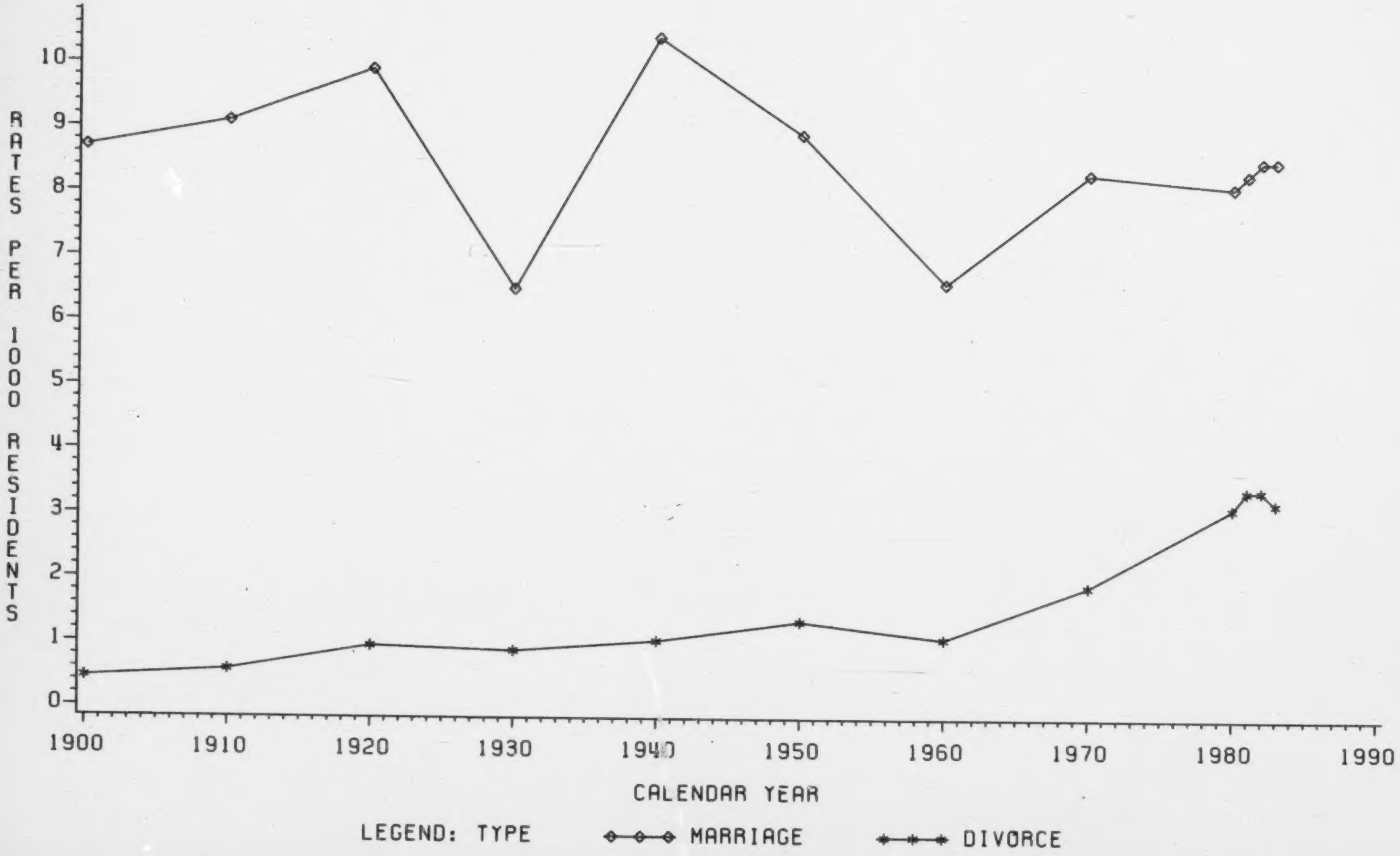


TABLE E-2
MARRIAGES AND DIVORCES AND RATES PER THOUSAND POPULATION
1900-1983

YEAR	MARRIAGES	RATE	DIVORCES	RATE
1900	24,342	8.7	1,258	0.45
1905	27,184	9.1	1,554	0.52
1910	30,710	9.1	1,929	0.57
1915	31,301	8.5	2,252	0.61
1920	38,048	9.9	3,647	0.95
1925	31,238	7.5	3,395	0.82
1930	27,431	6.5	3,746	0.88
1935	30,019	6.9	4,081	0.94
1940	44,836	10.4	4,502	1.04
1945	38,197	8.5	6,833	1.51
1950	41,711	8.9	6,365	1.35
1955	35,585	7.3	5,601	1.15
1960	34,050	6.6	5,592	1.08
1965	38,281	7.2	7,728	1,46
1970	47,292	8.3	10,818	1.90
1975	42,103	7.3	16,460	2.84
1980	46,273	8.1	17,873	3.12
1981	47,802	8.3	19,502	3.39
1982	48,654	8.5	19,531	3.40
1983	48,789	8.5	18,477	3.21

TABLE E-3
MARRIAGES BY AGE AND MARITAL STATUS
1983

- BRIDE -

AGE	SINGLE	%	WIDOWED	%	DIVORCED	%	TOTAL	%
<20	4,732	9.7	0	0	22	0	4,754	9.7
20-29	27,609	56.6	90	.2	3,342	6.8	31,041	63.6
30-39	3,819	7.8	175	.4	5,056	10.4	9,050	18.6
40-49	294	.6	251	.5	1,772	3.6	2,317	4.7
50-59	98	.2	334	.7	526	1.1	958	2.0
60-69	46	.1	347	.7	124	.3	517	1.1
≥70	14	0	120	.2	18	.1	152	.3
TOTAL	36,612	75.0	1,317	2.7	10,860	22.3	48,789	100.0

- GROOM -

AGE	SINGLE	%	WIDOWED	%	DIVORCED	%	TOTAL	%
<20	1,563	3.2	0	0	1	0	1,564	3.2
20-29	27,179	55.7	26	.1	2,094	4.3	29,299	60.1
30-39	6,048	12.4	95	.2	5,616	11.5	11,759	24.1
40-49	477	1.0	150	.3	2,762	5.6	3,389	6.9
50-59	146	.3	361	.7	1,094	2.3	1,601	3.3
60-69	49	.1	457	.9	308	.7	814	1.7
≥70	15	0	293	.6	55	.1	363	.7
TOTAL	35,477	72.7	1,382	2.8	11,930	24.5	48,789	100.0

TABLE E-4
NUMBER OF MARRIAGES FOR AGE OF BRIDE BY AGE OF GROOM
1983

AGE OF BRIDE	- AGE OF GROOM -							
	<20	20-29	30-39	40-49	50-59	60-69	≥70	TOTAL
<20	1,151	3,439	146	15	3	0	0	4,754
20-29	399	23,815	6,131	607	76	13	0	31,041
30-39	14	1,964	5,006	1,655	356	52	3	9,050
40-49	0	76	455	998	617	158	13	2,317
50-59	0	3	20	110	483	286	56	958
60-69	0	2	0	4	65	280	166	517
≥70	0	0	1	0	1	25	125	152
TOTAL	1,564	29,299	11,759	3,389	1,601	814	363	48,789

INDUCED ABORTIONS

SECTION F

INDUCED ABORTIONS

There were 37,272 induced abortions reported in 1983, a decrease of 3,122 (7.7%) from the total of 40,394 reported in 1982. Over half (58.9%) of induced abortions were performed on women between the ages of 20 and 29. Women under the age of 20 accounted for 23.8% of all induced abortions.

The data on induced abortions must be considered differently from the data for births. These data represent abortions performed in Massachusetts. It is not possible to ascertain the number of abortions provided to non-residents or the number which may have been obtained in other states by residents of Massachusetts.

Clinics account for 74.5% of induced abortions, while 14.5% occur in hospitals. The balance are provided by group practices and private physicians.

TABLE F-1

RATE OF ABORTIONS TO BIRTHS BY AGE OF WOMAN

1983

AGE	# OF ABORTIONS 1983	% OF TOTAL ABORTIONS	1983 OCCURRENCE BIRTHS	% OF OCCURRENCE BIRTHS	RATIO OF ABORTIONS/BIRTHS
<15	194	0.5	86	0.1	2.1
15	473	1.3	260	0.3	1.8
16	832	2.2	724	0.9	1.1
17	1,173	3.2	1,276	1.6	0.9
18	2,749	7.4	2,066	2.7	1.3
19	3,460	9.3	2,575	3.3	1.3
20-24	14,058	37.7	20,056	25.8	0.7
25-29	7,896	21.2	27,309	35.2	0.3
30-34	4,114	11.0	17,497	22.5	0.2
35-39	1,815	4.9	5,219	6.7	0.3
40-44	454	1.2	645	0.8	0.7
45+	39	0.1	22	0.1	1.8
UNKNOWN	15	---	2	---	---
TOTAL	37,272	100.0	77,737	100.0	0.5

TABLE F-2
NUMBER OF ABORTIONS OCCURRING IN MASSACHUSETTS BY TYPE OF FACILITY AND AGE OF WOMAN
1983

AGE		CLINICS	GROUP PRACTICE	PHYSICIAN OFFICE	HOSPITALS	TOTAL
<15	N	109	6	0	79	194
	%	56.2	3.1		40.7	100.0
15-19	N	6,374	865	119	1,329	8,687
	%	73.4	9.9	1.4	15.3	100.0
20-29	N	16,751	2,207	250	2,746	21,954
	%	76.3	10.1	1.1	12.5	100.0
30-39	N	4,242	514	73	1,100	5,929
	%	71.5	8.7	1.2	18.6	100.0
40+	N	313	49	4	127	493
	%	63.5	9.9	0.8	25.8	100.0
UNKNOWN	N	0	5	0	10	15
	%		33.3		66.7	100.0
TOTAL	N	27,789	3,646	446	5,391	37,272
	%	74.5	9.8	1.2	14.5	100.0

POPULATION

SECTION G

POPULATION

The population data in this section are presented for use in computing rates for small areas and for displaying changes over time by municipality, county, and health service area. They are based on the federal census for decennial years (1970 and 1980) and on the Commonwealth's census for intercensal years (1955, 1965, and 1975). Of the Massachusetts population, 52.4% is female and 93.4% is white.

It is worth noting that Massachusetts' method of enumeration differs from the federal census. Generally, the state's figures have excluded nonresident students and military families residing in the Commonwealth, which are included in the federal census.

FIGURE G-1

MASSACHUSETTS POPULATION

1900 TO 1980

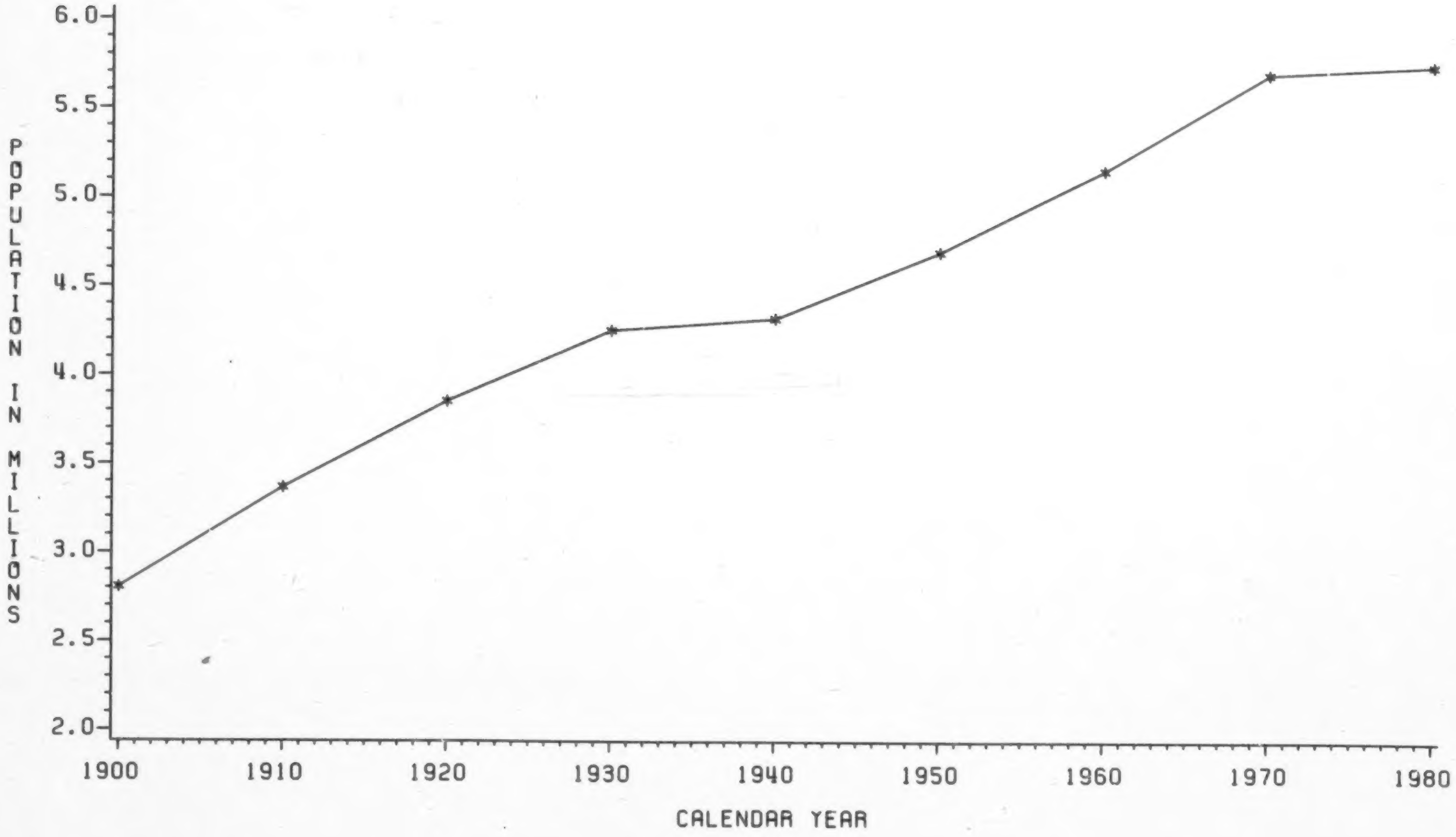


FIGURE G-2

1980 MASSACHUSETTS POPULATION BY AGE

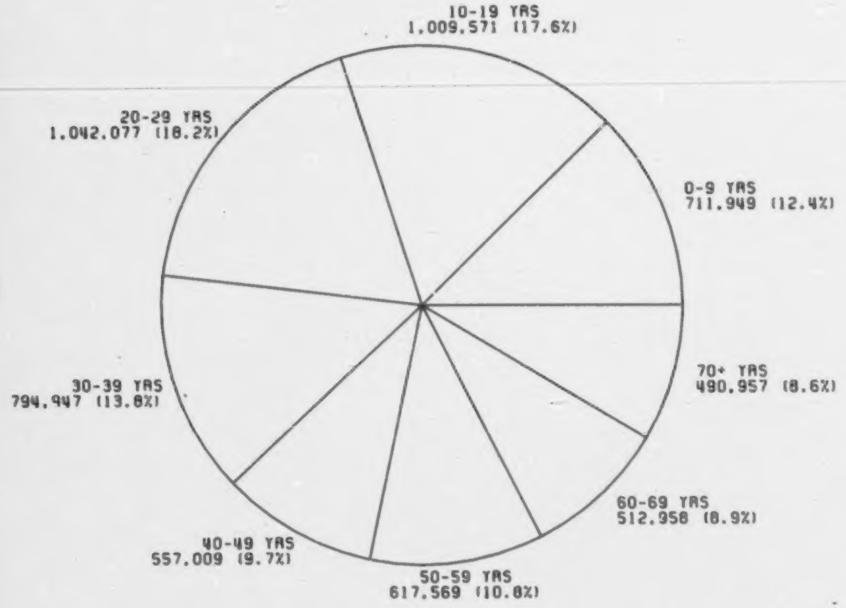


FIGURE G-3

1980 MASSACHUSETTS POPULATION BY RACE

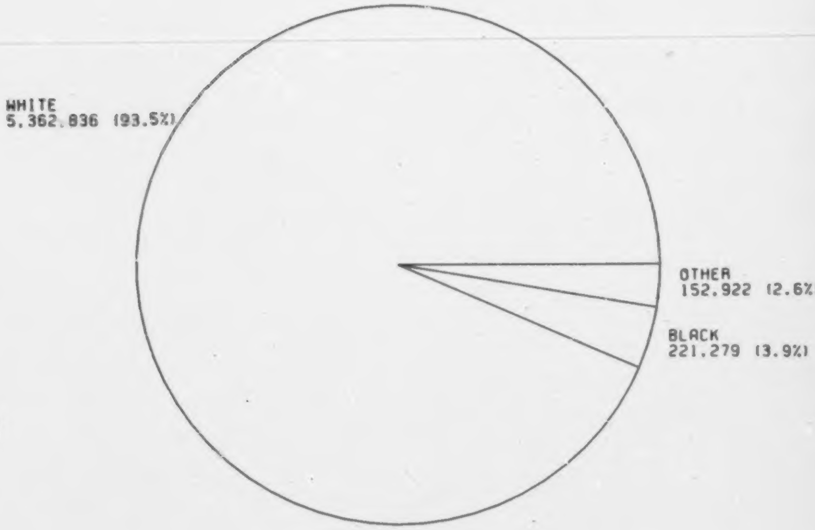


TABLE G-1
POPULATION BY RACE, AGE AND SEX
1980

AGE	SEX	TOTAL	WHITE	BLACK	OTHER & UNKNOWN
UNDER 1	MALE	36,771	32,822	2,076	1,873
	FEMALE	34,959	31,174	1,938	1,847
	TOTAL	71,730	63,996	4,014	3,720
1-4	MALE	136,258	122,083	7,454	6,721
	FEMALE	129,227	115,440	7,190	6,597
	TOTAL	265,485	237,523	14,644	13,318
5-9	MALE	191,602	173,505	9,866	8,231
	FEMALE	183,132	165,337	9,819	7,976
	TOTAL	374,734	338,842	19,685	16,207
10-14	MALE	235,669	216,445	11,636	7,588
	FEMALE	225,663	206,831	11,429	7,403
	TOTAL	461,332	423,276	23,065	14,991
15-19	MALE	274,859	253,767	12,934	8,158
	FEMALE	273,380	252,117	13,106	8,157
	TOTAL	548,239	505,884	26,040	16,315
20-24	MALE	270,713	250,616	11,558	8,539
	FEMALE	282,189	260,612	12,809	8,768
	TOTAL	552,902	511,228	24,367	17,307
25-29	MALE	239,341	221,554	9,952	7,835
	FEMALE	249,834	230,586	11,031	8,217
	TOTAL	489,175	452,140	20,983	16,052
30-34	MALE	217,649	202,785	8,306	6,558
	FEMALE	228,746	211,798	9,634	7,314
	TOTAL	446,395	414,583	17,940	13,872
35-39	MALE	169,502	158,362	6,577	4,563
	FEMALE	179,050	166,127	7,956	4,967
	TOTAL	348,552	324,489	14,533	9,530
40-44	MALE	134,925	126,332	5,013	3,580
	FEMALE	143,823	134,182	5,866	3,775
	TOTAL	278,748	260,514	10,879	7,355
45-49	MALE	134,444	127,300	4,329	2,815
	FEMALE	143,817	135,730	5-030	3,057
	TOTAL	278,261	263,030	9,359	5,872
50-54	MALE	146,211	139,828	4,057	2,326
	FEMALE	160,363	152,917	4,793	2,653
	TOTAL	306,574	292,745	8,850	4,979

TABLE G-1 (continued)
POPULATION BY RACE, AGE AND SEX
1980

AGE	SEX	TOTAL	WHITE	BLACK	OTHER & UNKNOWN
55-59	MALE	145,603	140,132	3,587	1,884
	FEMALE	165,392	159,005	4,304	2,083
	TOTAL	310,995	299,137	7,891	3,967
60-64	MALE	126,323	122,160	2,803	1,360
	FEMALE	151,061	145,859	3,510	1,692
	TOTAL	277,384	268,019	6,313	3,052
65-69	MALE	101,023	98,076	1,953	994
	FEMALE	134,551	130,398	2,810	1,343
	TOTAL	235,574	228,474	4,763	2,337
70-74	MALE	73,235	71,293	1,285	657
	FEMALE	113,806	110,942	1,892	972
	TOTAL	187,041	182,235	3,177	1,629
75-79	MALE	48,145	46,859	810	476
	FEMALE	89,683	87,573	1,441	669
	TOTAL	137,828	134,432	2,251	1,145
80-84	MALE	28,513	27,747	480	286
	FEMALE	63,667	62,351	899	417
	TOTAL	92,180	90,098	1,379	703
85 & OVER	MALE	20,107	19,485	374	248
	FEMALE	53,801	52,706	772	323
	TOTAL	73,908	72,191	1,146	571
TOTAL	MALE	2,730,893	2,551,151	105,050	74,692
	FEMALE	3,006,144	2,811,685	116,229	78,230
	TOTAL	5,737,037	5,362,836	221,279	152,922
		(100.0%)	(93.4%)	(3.9%)	(2.7%)

TABLE G-2
MASSACHUSETTS POPULATION BY COUNTIES
SIX CENSUS YEARS

	STATE 1955	FEDERAL 1960	STATE 1965	FEDERAL 1970	STATE 1975	FEDERAL 1980
STATE	4,837,645	5,148,578	5,295,281	5,689,170	5,789,478	5,737,037
COUNTIES						
BARNSTABLE	52,728	70,286	73,557	96,656	126,481	147,925
BERKSHIRE	138,119	142,135	145,597	149,402	148,069	145,110
BRISTOL	389,540	398,488	415,242	444,301	461,852	474,641
DUKES	6,069	5,829	5,948	6,117	7,951	8,942
ESSEX	543,526	568,831	608,996	637,887	631,627	633,632
FRANKLIN	55,573	54,864	57,687	59,210	63,420	64,317
HAMPDEN	389,237	429,353	435,281	459,050	461,659	443,018
HAMPSHIRE	87,142	103,229	100,065	123,981	122,729	138,813
MIDDLESEX	1,115,252	1,238,742	1,280,235	1,397,268	1,397,524	1,367,034
NANTUCKET	3,642	3,559	3,714	3,774	5,559	5,087
NORFOLK	448,144	510,256	560,137	605,051	620,346	606,587
PLYMOUTH	214,456	248,449	292,697	333,314	377,500	405,437
SUFFOLK	819,797	791,329	706,216	735,190	724,703	650,142
WORCESTER	574,420	583,228	609,909	637,969	640,058	646,352

TABLE 6-3
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS	CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
ABINGTON	12334	13517	BOXFORD	4032	5374
ACTON	14770	17544	BOYLSTON	2774	3470
ACUSHNET	7767	8704	BRAINTREE	35050	36337
ADAMS	11772	10381	BREWSTER	1790	5226
AGAWAM	21717	26271	BRIDGEWATER	11829	17202
ALFORD	302	394	BRIMFIELD	1907	2318
AMESBURY	11388	13971	BROCKTON	89040	95172
AMHERST	26331	33229	BROOKFIELD	2063	2397
ANDOVER	23695	26370	BROOKLINE	58886	55062
ARLINGTON	53524	48219	BUCKLAND	1892	1864
ASHBURNHAM	3484	4075	BURLINGTON	21980	23486
ASHBY	2274	2311	CAMBRIDGE	100361	95322
ASHFIELD	1274	1458	CANTON	17100	18182
ASHLAND	8882	9165	CARLISLE	2871	3306
ATHOL	11185	10634	CARVER	2420	6988
ATTLEBORO	32907	34196	CHARLEMONT	897	1149
AUBURN	15347	14845	CHARLTON	4654	6719
AVON	5295	5026	CHATHAM	4554	6071
AYER	8325	6993	CHELMSFORD	31432	31174
BARNSTABLE	19842	30898	CHELSEA	30625	25431
BARRE	3825	4102	CHESHIRE	3006	3124
BECKET	929	1339	CHESTER	1025	1123
BEDFORD	13513	13067	CHESTERFIELD	704	1000
BELCHERTOWN	5936	8339	CHICOPEE	66676	55112
BELLINGHAM	13967	14300	CHILMARK	340	489
BELMONT	28285	26100	CLARKSBURG	1987	1871
BERKLEY	2027	2731	CLINTON	13383	12771
BERLIN	2099	2215	COHASSET	6954	7174
BERNARDSTON	1659	1750	COLRAIN	1420	1552
BEVERLY	38348	37655	CONCORD	16148	16293
BILLERICA	31648	36727	CONWAY	998	1213
BLACKSTONE	6566	6570	CUMMINGTON	562	657
BLANDFORD	863	1038	DALTON	7505	6797
BOLTON	1905	2530	DANVERS	26151	24100
BOSTON	641071	562994	DARTMOUTH	18800	23966
BOURNE	12636	13874	DEDHAM	26938	25298
BOXBOROUGH	1451	3126	DEERFIELD	3850	4517

TABLE G-3 (CONTINUED)
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS	CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
DENNIS	6454	12360	GRANVILLE	1008	1204
DIGHTON	4667	5352	GREAT BARRINGTON	7537	7405
DOUGLAS	2947	3730	GREENFIELD	18116	18436
DOVER	4529	4703	GROTON	5109	6154
DRACUT	18214	21249	GROVELAND	5382	5040
DUDLEY	8087	8717	HADLEY	3750	4125
DUNSTABLE	1292	1671	HALIFAX	3537	5513
DUXBURY	7636	11807	HAMILTON	6373	6960
EAST BRIDGEWATER	8347	9945	HAMPDEN	4572	4745
EAST BROOKFIELD	1800	1955	HANCOCK	675	643
EAST LONGMEADOW	13029	12905	HANOVER	10107	11358
EASTHAM	2043	3472	HANSON	7148	8617
EASTHAMPTON	13012	15580	HARDWICK	2379	2272
EASTON	12157	16623	HARVARD	12494	12170
EDGARTOWN	1481	2204	HARWICH	5892	8971
EGREMONT	1138	1311	HATFIELD	2825	3045
ERVING	1260	1326	HAVERHILL	46120	46865
ESSEX	2670	2998	HAWLEY	224	280
EVERETT	42485	37195	HEATH	383	482
FAIRHAVEN	16332	15759	HINGHAM	18845	20339
FALL RIVER	96898	92574	HINSDALE	1588	1707
FALMOUTH	15942	23640	HOLBROOK	11775	11140
FITCHBURG	43343	39580	HOLDEN	12564	13336
FLORIDA	672	730	HOLLAND	931	1589
FOXBOROUGH	14218	14148	HOLLISTON	12069	12622
FRAMINGHAM	64048	65113	HOLYOKE	50112	44678
FRANKLIN	17830	18217	HOPEDALE	4292	3905
FREETOWN	4270	7058	HOPKINTON	5981	7114
GARDNER	19748	17900	HUBBARDSTON	1437	1797
GAY HEAD	118	220	HUDSON	16084	16408
GEORGETOWN	5290	5687	HULL	9961	9714
GILL	1100	1259	HUNTINGTON	1593	1804
GLOUCESTER	27941	27768	IPSWICH	10750	11158
GOSHEN	483	651	KINGSTON	5999	7362
GOSNOLD	83	63	LAKEVILLE	4376	5931
GRAFTON	11659	11238	LANCASTER	6095	6334
GRANBY	5473	5380	LANESBOROUGH	2972	3131

TABLE 6-3 (CONTINUED)
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
LAWRENCE	66915	63175
LEE	6426	6247
LEICESTER	9140	9446
LENOX	5804	6523
LEOMINSTER	32939	34508
LEVERETT	1005	1471
LEXINGTON	31886	29479
LEYDEN	376	498
LINCOLN	7567	7098
LITTLETON	6380	6970
LONGMEADOW	15630	16301
LOWELL	94239	92418
LUDLOW	17580	18150
LUNENBURG	7419	8405
LYNN	90294	78471
LYNNFIELD	10826	11267
MALDEN	56127	53386
MANCHESTER	5151	5424
MANSFIELD	9939	13453
MARBLEHEAD	21295	20126
MARION	3466	3932
MARLBOROUGH	27936	30617
MARSHFIELD	15223	20916
MASHPEE	1288	3700
MATTAPOISETT	4500	5597
MAYNARD	9710	9590
MEDFIELD	9821	10220
MEDFORD	64397	58076
MEDWAY	7938	8447
MELROSE	33180	30055
MENDON	2524	3108
MERRIMAC	4245	4451
METHUEN	35456	36701
MIDDLEBOROUGH	13607	16404
MIDDLEFIELD	288	385
MIDDLETON	4044	4135
MILFORD	19352	23390
MILLBURY	11987	11808
MILLIS	5686	6908
MILLVILLE	1764	1693
MILTON	27190	25860
MONROE	216	179
MONSON	7355	7315
MONTAGUE	8451	8011
MONTEREY	600	818
MONTGOMERY	446	637
MOUNT WASHINGTON	52	93
NAHANT	4119	3947
NANTUCKET	3774	5087
NATICK	31057	29461
NEEDHAM	29748	27901
NEW ASHFORD	183	159
NEW BEDFORD	101777	98478
NEW BRAINTREE	631	671
NEW MARLBOROUGH	1031	1160
NEW SALEM	474	688
NEWBURY	3804	4529
NEWBURYPORT	15807	15900
NEWTON	91066	83622
NORFOLK	4656	6363
NORTH ADAMS	19195	18063
NORTH ANDOVER	16284	20129
NORTH ATTLEBORO	18665	21095
NORTH BROOKFIELD	3967	4150
NORTH READING	11264	11455
NORTHAMPTON	29664	29286
NORTHBOROUGH	9218	10568
NORTHBRIDGE	11795	12246
NORTHFIELD	2631	2386
NORTON	9487	12690
NORWELL	7796	9182
NORWOOD	30815	29711
OAK BLUFFS	1385	1984
OAKHAM	730	994

TABLE G-3 (CONTINUED)
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS	CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
ORANGE	6104	6844	SANDISFIELD	547	720
ORLEANS	3055	5306	SANDWICH	5239	8727
OTIS	820	963	SAUGUS	25110	24746
OXFORD	10345	11680	SAVOY	322	644
PALMER	11680	11389	SCITUATE	16973	17317
PAXTON	3731	3762	SEEKONK	11116	12269
PEABODY	48080	45976	SHARON	12367	13601
PELHAM	937	1112	SHEFFIELD	2374	2743
PEMBROKE	11193	13487	SHELBURNE	1836	2002
PEPPERELL	5887	8061	SHERBORN	3309	4049
PERU	256	633	SHIRLEY	4909	5124
PETERSHAM	1014	1024	SHREWSBURY	19196	22674
PHILLIPSTON	872	953	SHUTESBURY	489	1049
PITTSFIELD	57020	51974	SOMERSET	18088	18813
PLAINFIELD	287	425	SOMERVILLE	88779	77372
PLAINVILLE	4953	5857	SOUTH HADLEY	17033	16399
PLYMOUTH	18606	35913	SOUTHAMPTON	3069	4137
PLYMPTON	1224	1974	SOUTHBOROUGH	5798	6193
PRINCETON	1681	2425	SOUTHBRIDGE	17057	16665
PROVINCETOWN	2911	3536	SOUTHWICK	6330	7382
QUINCY	87966	84743	SPENCER	8779	10774
RANDOLPH	27035	28218	SPRINGFIELD	163905	152319
RAYNHAM	6705	9085	STERLING	4247	5440
READING	22539	22678	STOCKBRIDGE	2312	2328
REHOBOTH	6512	7570	STONEHAM	20725	21424
REVERE	43159	42423	STOUGHTON	23459	26710
RICHMOND	1461	1659	STOW	3984	5144
ROCHESTER	1770	3205	STURBRIDGE	4878	5976
ROCKLAND	15674	15695	SUDBURY	13506	14027
ROCKPORT	5636	6345	SUNDERLAND	2236	2929
ROWE	277	336	SUTTON	4590	5855
ROWLEY	3040	3867	SWAMPSCOTT	13578	13837
ROYALSTON	809	955	SWANSEA	12640	15461
RUSSELL	1382	1570	TAUNTON	43756	45001
RUTLAND	3198	4334	TEMPLETON	5863	6070
SALEM	40556	38220	TEWKSBURY	22755	24635
SALISBURY	4179	5973	TISBURY	2257	2972

TABLE G-3 (CONTINUED)
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
TOLLAND	172	235
TOPSFIELD	5225	5709
TOWNSEND	4281	7201
TRURO	1234	1486
TYNGSBOROUGH	4204	5683
TYRINGHAM	234	344
UPTON	3484	3886
UXBRIDGE	8253	8374
WAKEFIELD	25402	24895
WALES	852	1177
WALPOLE	18149	18859
WALTHAM	61582	58200
WARE	8187	8953
WAREHAM	11492	18457
WARREN	3633	3777
WARWICK	492	603
WASHINGTON	406	587
WATERTOWN	39307	34384
WAYLAND	13461	12170
WEBSTER	14917	14480
WELLESLEY	28051	27209
WELLFLEET	1743	2209
WENDELL	405	694
WENHAM	3849	3897
WEST BOYLSTON	6369	6204
WEST BRIDGEWATER	7152	6359
WEST BROOKFIELD	2653	3026
WEST NEWBURY	2254	2861
WEST SPRINGFIELD	28461	27042
WEST STOCKBRIDGE	1354	1280
WEST TISBURY	453	1010
WESTBOROUGH	12594	13619
WESTFIELD	31433	36465
WESTFORD	10368	13434
WESTHAMPTON	793	1137
WESTMINSTER	4273	5139
WESTON	10870	11169
WESTPORT	9791	13763
WESTWOOD	12750	13212
WEYMOUTH	54610	55601
WHATELY	1145	1341
WHITMAN	13059	13534
WILBRAHAM	11984	12053
WILLIAMSBURG	2342	2237
WILLIAMSTOWN	8454	8741
WILMINGTON	17102	17471
WINCHENDON	6635	7019
WINCHESTER	22269	20701
WINDSOR	468	598
WINTHROP	20335	19294
WOBURN	37406	36626
WORCESTER	176572	161799
WORTHINGTON	712	932
WRENTHAM	7315	7580
YARMOUTH	12033	18449
STATEWIDE TOTALS	5,689,170	5,737,037

TABLE G-4
MASSACHUSETTS POPULATION BY HEALTH SERVICE AREA
1970-1980

HSA SUBAREAS	1970 U.S. CENSUS	1980 U.S. CENSUS
11	149,906	145,674
12	158,345	175,257
13	497,215	482,586
HSA I TOTALS	805,466	803,517
21	208,593	216,595
22	245,693	235,536
23	211,838	228,390
HSA II TOTALS	666,124	680,521
31	214,152	226,991
32	142,350	146,375
33	105,541	114,518
HSA III TOTALS	462,043	487,884
41	794,076	705,204
42	477,986	456,914
43	489,096	478,314
44	159,815	164,082
45	304,155	305,625
HSA IV TOTALS	2,225,128	2,110,139
51	75,951	87,291
52	182,672	204,088
53	98,767	139,630
54	92,766	104,343
55	141,687	147,669
56	154,495	159,704
57	117,956	180,348
HSA V TOTALS*	864,294	1,023,073
61	105,943	107,914
62	140,126	132,557
63	143,927	132,268
64	113,110	110,507
65	163,009	148,657
HSA VI TOTALS	666,115	631,903
STATEWIDE TOTALS	5,689,170	5,737,037

*INCLUDES ACTIVE AND INACTIVE SUBAREA COUNCILS.

APPENDICES

NOTE: Confidential section is detached from record and is not maintained in public file.

175M FORM R-3 11-83 176233

The Commonwealth of Massachusetts
DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS
STANDARD CERTIFICATE OF LIVE BIRTH

(City or Town making this return)

REGISTERED NUMBER

CHILD

1 PLACE OF BIRTH
a (County)
b (City or Town)
c NAME OF HOSPITAL — IF NOT IN HOSPITAL, NUMBER & STREET

2 NAME FIRST MIDDLE LAST

3 SEX	4 THIS BIRTH SINGLE, TWIN ETC. SPECIFY	4a IF NOT SINGLE, BORN FIRST, SECOND, ETC. SPECIFY ORDER OF BIRTH	5 DATE OF BIRTH MONTH DAY YEAR	5a HOUR M.

FATHER

6 FULL NAME FIRST MIDDLE LAST

7 BIRTHPLACE CITY OR TOWN STATE OR COUNTRY | 8 AGE AT TIME OF THIS BIRTH

9a FATHER'S OCCUPATION | 9b MOTHER'S OCCUPATION

MOTHER

10 FULL NAME FIRST MIDDLE MAIDEN LAST

11 BIRTHPLACE CITY OR TOWN STATE OR COUNTRY | 12 AGE AT TIME OF THIS BIRTH

13 RESIDENCE NO. STREET CITY OR TOWN COUNTY STATE ZIP CODE
(DO NOT USE MAILING ADDRESS)

CERTIFICATIONS

14 CERTIFIER

☐ M.D./D.O. - ATTENDANT AT BIRTH
☐ POST NATAL ONLY
☐ ATTENDANT - IF OTHER THAN M.D./D.O.
☐ ATTENDANT - C.N.M.

(Signature, Physician or other attendant)

(Print or type name. CH 46 SEC. 3 & 9)

(Address)

15 INFORMANT

I certify that the information appearing above is true and correct

(Signature)

(Relationship) (Date)

(Present mailing address if different from Item # 13)

16 REC'D IN CLERK'S OFFICE

17 SUPPLEMENT FILED

18 CLERK OR REGISTRAR

NOT A LEGAL RECORD

CONFIDENTIAL INFORMATION — CHAPTER III SECTION 24B AS AMENDED
PHYSICIAN TO COMPLETE ITEMS IN RED WITHIN 24 HOURS (CH. 46 SEC. 3)

HOSPITAL CODE NO.

19 RACE - FATHER
WHITE, BLACK, AMERICAN INDIAN, ETC. (SPECIFY)

20 EDUCATION - FATHER
(Specify only highest grade completed)
Elementary or Secondary (0-12) | College (1 - 4 or 5+)

22 RACE - MOTHER
WHITE, BLACK, AMERICAN INDIAN, ETC. (SPECIFY)

23 EDUCATION - MOTHER
(Specify only highest grade completed)
Elementary or Secondary (0-12) | College (1 - 4 or 5+)

PREGNANCY HISTORY (Complete each section)

LIVE BIRTHS (Do not include this child)
NOW LIVING
21a Number____
None ☐
NOW DEAD
21b Number____
None ☐
21C Date of Last Live Birth (Month, Year)

OTHER TERMINATIONS (Spontaneous and Induced)
BEFORE 20 WEEKS
21d Number____
None ☐
AFTER 20 WEEKS
21e Number____
None ☐
21f Date of Last Other Termination (as indicated in d or e above)

24 DATE LAST NORMAL MENSES BEGAN
MONTH DAY YEAR

25 MONTH OF PREGNANCY PRENATAL CARE BEGAN (FIRST, SECOND, THIRD, ETC., SPECIFY)

26 PRENATAL VISITS TOTAL NUMBER (IF NONE, SO STATE)

27 COMPLICATIONS RELATED TO PREGNANCY (Describe or write "None")

28 CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or write "none")

29 COMPLICATION OF LABOR AND/OR DELIVERY
A. (Describe or write "None")
B. Caesarean (Check One)
☐No ☐Primary ☐Repeat

30 CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD (Describe or write "None")

31 BIRTH WEIGHT
lbs. ozs. or grams

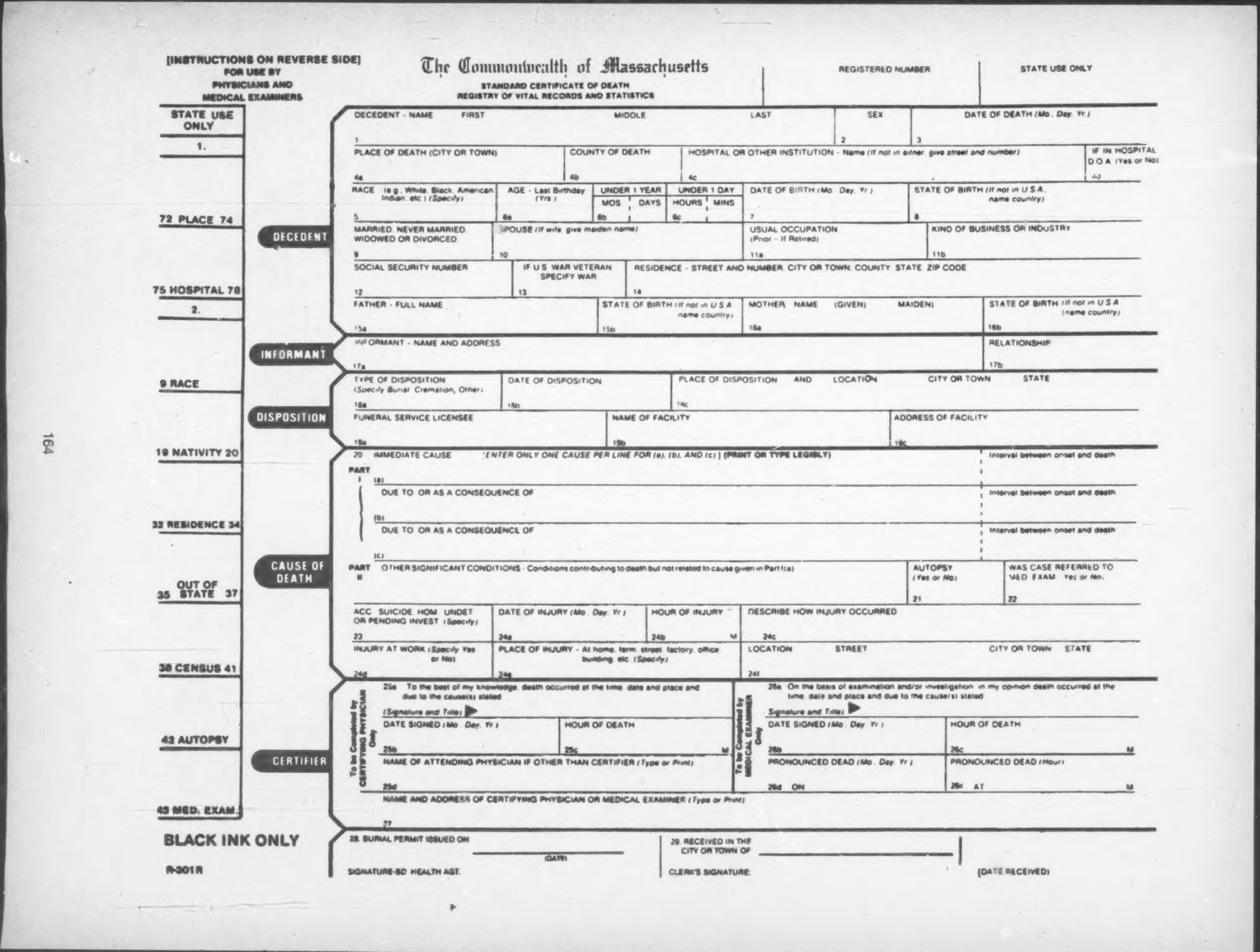
32 APGAR SCORE
a. 1 min. b. 5 min.

33 IS MOTHER MARRIED? (Specify yes or no)

34 PATIENT CARE
☐ PRIV. ☐ OTHER
☐ M.I.C.

35 AT TIME OF THIS REPORT
☐ CHILD LIVING
☐ DEAD

Detach and Return to Department of Public Health — Registry of Vital Records and Statistics,
150 Tremont Street; Room B-3, Boston, MA 02111



[INSTRUCTIONS ON REVERSE SIDE]
FOR USE BY
PHYSICIANS AND
MEDICAL EXAMINERS

The Commonwealth of Massachusetts

STANDARD CERTIFICATE OF DEATH
REGISTRY OF VITAL RECORDS AND STATISTICS

REGISTERED NUMBER

STATE USE ONLY

STATE USE ONLY 1.	DECEDENT	DECEDENT - NAME FIRST MIDDLE LAST 1 · SEX 2 · DATE OF DEATH (Mo., Day, Yr.) 3
72 PLACE 74		PLACE OF DEATH (CITY OR TOWN) 4a · COUNTY OF DEATH 4b · HOSPITAL OR OTHER INSTITUTION - Name (If not in either, give street and number) 4c · IF IN HOSPITAL D.O.A. (Yes or No) 4d
		RACE (e.g., White, Black, American Indian, etc.) (Specify) 5 · AGE - Last Birthday (Yrs.) 6a · UNDER 1 YEAR: MOS 6b, DAYS · UNDER 1 DAY: HOURS 6c, MINS · DATE OF BIRTH (Mo. Day, Yr.) 7 · STATE OF BIRTH (If not in U.S.A. name country) 8
		MARRIED, NEVER MARRIED, WIDOWED OR DIVORCED 9 · SPOUSE (If wife, give maiden name) 10 · USUAL OCCUPATION (Prior - If Retired) 11a · KIND OF BUSINESS OR INDUSTRY 11b
75 HOSPITAL 78 2.		SOCIAL SECURITY NUMBER 12 · IF U.S. WAR VETERAN SPECIFY WAR 13 · RESIDENCE - STREET AND NUMBER, CITY OR TOWN, COUNTY, STATE, ZIP CODE 14
		FATHER - FULL NAME 15a · STATE OF BIRTH (If not in U.S.A. name country) 15b · MOTHER NAME (GIVEN) MAIDEN) 16a · STATE OF BIRTH (If not in U.S.A. name country) 16b
	INFORMANT	INFORMANT - NAME AND ADDRESS 17a · RELATIONSHIP 17b
9 RACE	DISPOSITION	TYPE OF DISPOSITION (Specify Burial, Cremation, Other) 18a · DATE OF DISPOSITION 18b · PLACE OF DISPOSITION AND LOCATION CITY OR TOWN STATE 18c
		FUNERAL SERVICE LICENSEE 19a · NAME OF FACILITY 19b · ADDRESS OF FACILITY 19c
19 NATIVITY 20	CAUSE OF DEATH	20 IMMEDIATE CAUSE (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).) (PRINT OR TYPE LEGIBLY) · Interval between onset and death
		PART I (a) · DUE TO OR AS A CONSEQUENCE OF · Interval between onset and death
33 RESIDENCE 34		(b) · DUE TO OR AS A CONSEQUENCE OF · Interval between onset and death
		(c)
35 OUT OF STATE 37		PART II OTHER SIGNIFICANT CONDITIONS - Conditions contributing to death but not related to cause given in Part I(a) · AUTOPSY (Yes or No) 21 · WAS CASE REFERRED TO MED. EXAM. Yes or No. 22
		ACC. SUICIDE, HOM., UNDET. OR PENDING INVEST. (Specify) 23 · DATE OF INJURY (Mo., Day, Yr.) 24a · HOUR OF INJURY 24b M · DESCRIBE HOW INJURY OCCURRED 24c
38 CENSUS 41		INJURY AT WORK (Specify Yes or No) 24d · PLACE OF INJURY - At home, farm, street, factory, office building, etc. (Specify) 24e · LOCATION STREET CITY OR TOWN STATE 24f
42 AUTOPSY	CERTIFIER	To be Completed by CERTIFYING PHYSICIAN Only: 25a To the best of my knowledge, death occurred at the time, date and place and due to the cause(s) stated (Signature and Title) ▶ · DATE SIGNED (Mo., Day, Yr.) 25b · HOUR OF DEATH 25c M · NAME OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER (Type or Print) 25d
		To be Completed by MEDICAL EXAMINER Only: 26a On the basis of examination and/or investigation, in my opinion death occurred at the time, date and place and due to the cause(s) stated (Signature and Title) ▶ · DATE SIGNED (Mo., Day, Yr.) 26b · HOUR OF DEATH 26c M · PRONOUNCED DEAD (Mo., Day, Yr.) 26d ON · PRONOUNCED DEAD (Hour) 26e AT M
43 MED. EXAM.		NAME AND ADDRESS OF CERTIFYING PHYSICIAN OR MEDICAL EXAMINER (Type or Print) 27

BLACK INK ONLY

R-301R

28. BURIAL PERMIT ISSUED ON ____________ (DATE)

SIGNATURE-BD. HEALTH AGT.

29. RECEIVED IN THE CITY OR TOWN OF ____________

CLERK'S SIGNATURE:

(DATE RECEIVED)

The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS

REPORT OF FETAL DEATH

STATE FILE NUMBER

1a. HOSPITAL–NAME *(If not in hospital, give street and number)*
1b. CITY, TOWN OR LOCATION OF DELIVERY
1c. COUNTY OF DELIVERY
2a. DATE OF DELIVERY *(Month, Day, Year)*
2b. HOUR OF DELIVERY M
3. SEX OF FETUS
4. WEIGHT OF FETUS

MOTHER

5a. MOTHER – MAIDEN NAME FIRST MIDDLE LAST
5b. AGE *(At time of this delivery)*
6a. RESIDENCE–STATE
6b. COUNTY
6c. CITY, TOWN OR LOCATION
6d. STREET AND NUMBER
7. RACE – (e.g., White, Black, American Indian, etc.) *(Specify)*
8. EDUCATION *(Specify only highest grade completed)* (Elementary or Secondary (0-12)) College (1-4 or 5+)
9. DATE LAST NORMAL MENSES BEGAN *(Month, Day, Year)*
10. IS MOTHER MARRIED? *(Specify yes or no)*

PREGNANCY HISTORY *(Complete each section)*

LIVE BIRTHS
11a. Now living Number ___ None ☐
11b. Now dead Number ___ None ☐
11c. DATE OF LAST LIVE BIRTH *(Month, Year)*

OTHER TERMINATIONS *(Spontaneous and Induced)*
11d. Before 20 weeks Number ___ None ☐
11e. After 20 weeks Number ___ *(Do not include this fetus)* None ☐
11f. DATE OF LAST OTHER TERMINATION *(as indicated in d or e above)* *(Month, Year)*

12a. MONTH OF PREGNANCY PRENATAL CARE BEGAN First, second, etc. *(Specify)*
12b. PRENATAL VISITS–Total number *(If none, so state)*
13a. THIS BIRTH–Single, twin, triplet, etc. *(Specify)*
13b. IF NOT SINGLE BIRTH–Born first, second, third, etc. *(Specify)*

FATHER

14a. FATHER–NAME FIRST MIDDLE LAST
14b. AGE *(At time of this delivery)*
14c. RACE–(e.g., White, Black, American Indian, etc.) *(Specify)*
14d. EDUCATION *(Specify only highest grade completed)* Elementary or Secondary (0-12) College (1-4 or 5+)

CAUSE OF FETAL DEATH

15. PART I — Fetal or maternal condition directly causing fetal death. IMMEDIATE CAUSE *(ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c))*
(a) ______________________ Specify Fetal or Maternal
DUE TO, OR AS A CONSEQUENCE OF
Fetal and/or maternal conditions, if any giving rise to the immediate cause (a), stating the underlying cause last.
(b) ______________________ Specify Fetal or Maternal
DUE TO, OR AS A CONSEQUENCE OF
(c) ______________________ Specify Fetal or Maternal

PART II OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER Conditions contributing to fetal death but not related to cause given in (a)

16. FETUS DIED BEFORE LABOR, DURING LABOR OR DELIVERY, UNKNOWN *(Specify)*
17. PHYSICIAN'S ESTIMATE OF GESTATION Weeks
18. AUTOPSY *(Specify yes or no)*

19. COMPLICATIONS OF PREGNANCY *(Describe or write "none")*
20. COMPLICATIONS OF LABOR AND/OR DELIVERY *(Describe or write "none")*
21. CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY *(Describe or write "none")*
22. CONGENITAL MALFORMATIONS OR ANOMALIES OF FETUS *(Describe or write "none")*
23. NAME OF PHYSICIAN OR ATTENDANT *(Type or print)*
24. NAME OF PERSON COMPLETING REPORT *(Type or print)* TITLE

DISPOSITION

25. BURIAL, CREMATION, OR BY HOSPITAL
26. CEMETERY OR CREMATORY–NAME OR WRITE "NONE"
26a. LOCATION CITY OR TOWN STATE
27. NAME OF FUNERAL DIRECTOR (IF ANY)
28. NAME OF FACILITY (Hospital or Funeral Home)
28a. ADDRESS OF FACILITY

CERTIFIER

I HEREBY CERTIFY that this delivery occurred on the date stated and product of conception was not a live birth.

Signature of Attending Physician or Medical Examiner ______________________

TITLE

DEFINITION: "Fetal death" per chapter 111 section 202 of the M.G.L. means death prior to the complete expulsion or extraction from its mother of a fetus, irrespective of the duration of pregnancy, as indicated by the fact that after such expulsion or extraction the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. A fetal death does NOT include an induced abortion as defined in section 12K of chapter 112 of M.G.L.. Spontaneous abortions are to be included.

TO BE REPORTED: Only fetal deaths of twenty weeks or more gestation or of a weight of 350 grams or more are to be reported.

INSTRUCTIONS: Return completed reported within 10 days to the Registry of Vital Records and Statistics, Rm. 107 McCormack Bldg., 1 Ashburton Pl., Boston, Ma. 02108

FORM R – 304

FORM R-101

NOT VALID AFTER ______

THIS IS A PERMANENT RECORD. Use only durable black ink or approved black typewriter ribbon. Every item of information should be carefully supplied. ALTERATIONS AND ERASURES IN THIS CERTIFICATE ARE FORBIDDEN; PENALTY FOR VIOLATION, ONE HUNDRED DOLLARS.
SEE CHAP. 207, §§ 28, 28A, 48, 49, 54, 57 and CHAP. 46, § 18.

THIS CERTIFICATE IS NOT TO BE USED OUTSIDE OF MASSACHUSETTS.

The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS

CERTIFICATE OF MARRIAGE

This certificate must be delivered to the person before whom the marriage is to be contracted before he proceeds to solemnize the same

.... (State number file)

.... (City or town making return)

Registered No. ....

Intention No. ....

1 Place of Marriage

City or Town .... (Do not enter name of village or section of city or town)

2 Date of Marriage .... (Month) (Day) (Year)

3 FULL NAME GROOM	12 FULL NAME BRIDE
3A SURNAME AFTER MARRIAGE	12A SURNAME AFTER MARRIAGE
4 AGE	5 OCCUPATION	13 AGE	14 OCCUPATION
6 RESIDENCE NO. .... STREET CITY OR TOWN .... STATE	15 RESIDENCE NO. .... STREET CITY OR TOWN .... STATE ....
7 NUMBER OF MARRIAGE (1st, 2nd, 3rd, etc.)	8 WIDOWED OR DIVORCED	16 NUMBER OF MARRIAGE (1st, 2nd, 3rd, etc.)	17 WIDOWED OR DIVORCED
9 BIRTHPLACE .... (City or town) .... (State or country)	18 BIRTHPLACE .... (City or town) .... (State or country)
10 NAME OF FATHER	19 NAME OF FATHER
11 MAIDEN NAME OF MOTHER	20 MAIDEN NAME OF MOTHER

21 THE INTENTION OF MARRIAGE by the above-named persons was duly entered by me in the records of the .... (City or Town)
of .... (Name of city or town) according to law, this .... day of .... 19......
Certificate issued .... (Month) (Day) (Year) by .... (City or Town Clerk or Registrar)

22 I HEREBY CERTIFY that I joined the above-named persons in marriage at No. .... St., (If marriage was solemnized in a church, give its NAME instead of street and number)
.... (Name of city or town) on .... (Month) (Day) (Year)
Signature .... Official station .... (Minister of the Gospel, Clergyman, Priest, Rabbi, or Justice of the Peace)
.... (Print or type name)
Residence No. .... St., City or Town of ....

23 Certificate received by city or town clerk .... (Month) (Day) (Year) CLERK OR REGISTRAR

R-408

The Commonwealth of Massachusetts
DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS
CERTIFICATE OF ABSOLUTE DIVORCE
(Chap. 208, Sec. 46 G.L.)
R-408

HUSBAND · NAME	FIRST	MIDDLE	LAST

USUAL RESIDENCE · STREET ADDRESS 2a.	CITY, TOWN OR LOCATION 2b.

COUNTY 2c.	STATE 2d.	DATE OF BIRTH *(Mo., Day, Yr.)* 3.	NUMBER OF THIS MARRIAGE *(1st, 2nd, Specify)* 4.

WIFE NAME 5a.	FIRST	MIDDLE	LAST	MAIDEN NAME 5b.

USUAL RESIDENCE · STREET ADDRESS 6a.	CITY, TOWN OR LOCATION 6b.

COUNTY 6c.	STATE 6d.	DATE OF BIRTH *(Mo., Day, Yr.)* 7.	NUMBER OF THIS MARRIAGE *(1st, 2nd, Specify)* 8.

DATE OF THIS MARRIAGE *(Mo., Day, Yr.)* 9.	NUMBER OF CHILDREN BORN ALIVE OF THIS MARRIAGE 10a.	NUMBER OF CHILDREN UNDER AGE 18 IN THIS FAMILY 10b.

FOR COURT USE ONLY

COUNTY OF JUDGMENT 11.	TITLE OF COURT 11a.

DATE OF JUDGMENT NISI *(Mo., Day, Yr.)* 12.	TYPE OF JUDGMENT · DIVORCE OR ANNULMENT *(Specify)* 13. DIVORCE	DATE OF JUDGMENT ABSOLUTE *(Mo., Day, Yr.)* 14.

DOCKET NUMBER 15.	NAME OF PLAINTIFF 16.	CAUSE FOR WHICH GRANTED 17.

SIGNATURE OF CERTIFYING OFFICIAL 18a.	TITLE OF OFFICIAL 18b.

APPENDIX II

DEFINITIONS

The following definitions conform wherever possible to those of the National Center for Health Statistics, United States Department of Health and Human Services.

BIRTHS

LIVE BIRTH	A live birth is the complete expulsion or extraction from its mother of a product of conception, regardless of the duration of pregnancy, which, after separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.
BIRTHWEIGHT	Weight of an infant or fetus at the time of delivery. It may be recorded in either pounds/ounces or grams; if it is the former, it is converted to grams for use in this report.
MATURE BIRTHWEIGHT	Weight at delivery which equals or exceeds 2500 grams.
IMMATURE BIRTHWEIGHT	Weight at delivery of less than 2500 grams. Immaturity rather than prematurity is used. Prematurity refers to gestational age and is difficult to ascertain reliably.

DEATHS

INFANT DEATH	Death of a person whose age is less than one year.
NEONATAL DEATH	Death of a person whose age is less than 28 days.
FETAL DEATH	A fetal death is death prior to the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy; the death is indicated by the fact that after such separation the fetus does not breathe or show any other evidence of life, such as the beating of the heart, pulsation of the umbilical cord, or definite movement of the voluntary muscles. Massachusetts law requires that fetal deaths of 20 or more weeks gestation or of a weight of at least 350 grams be reported; therefore, the fetal deaths referred to in this report are of that gestational age.
CAUSE OF DEATH	The underlying condition which gives rise to a series of events leading to death. The code used for iden-

tifying cause of death is the 9th Edition of the International Classification of Disease. The underlying cause of death is generated by a computer software program developed by the National Center for Health Statistics from coding all causes on death certificates.

DEMOGRAPHIC

HEALTH SERVICE AREA	In accordance with the National Health Planning and Resources Development Act of 1974 (P.L. 93-641), Massachusetts is divided into six Health Service Areas (HSAs) for the purpose of planning and developing health services. Each HSA encompasses both metropolitan and non-metropolitan areas and contains at least one center for the provision of highly specialized health services.
HEALTH SYSTEMS AGENCY	A Health Systems Agency (HSA) is the public planning body which is responsible for the establishment and implementation of a comprehensive health systems plan within a particular service area. The purpose of the comprehensive plan is to improve the health of HSA residents, increase accessiblity and quality of health services, restrain cost increase and prevent unnecessary duplication of health resources. The executive committee of the agency is composed both of consumers and providers of health care, with the consumers forming the majority. The consumer membership of the committee is chosen to be broadly representative of the social, economic, linguistic and racial populations, geographic areas of the HSA, and major purchasers of health care.
OCCURRENCE	The place where the event actually happened. In Massachusetts, place will be one of 351 cities or towns.
RACE	For birth records: The mother's response to the question of her own and the child's father's racial identity. The race of the baby is determined by consideration of the race(s) of the parents on the birth record. For death records: The response of the informant, i.e., spouse, next of kin, for a death record.
RESIDENCE	The usual place of residence as reported by the mother (for births) or the informant (for deaths). An infant's residence is considered that of its mother.

RATES

BIRTH RATE $= \dfrac{\text{No. of Resident Live Births}}{\text{Total Population}} \times 1{,}000$

GENERAL FERTILITY RATE $= \dfrac{\text{No. of Resident Live Births}}{\text{Total Female Population of Childbearing Age (15-44)}} \times 1{,}000$

AGE-SPECIFIC FERTILITY RATE $= \dfrac{\text{No. of Resident Live Births for a Specific Age of Mother}}{\text{Total Female Population of That Specific Age}} \times 1{,}000$

MORTALITY RATE $= \dfrac{\text{No. of Resident Deaths}}{\text{Total Population}} \times 1{,}000$

RESIDENT NATURAL INCREASE = Birth Rate - Mortality Rate

FETAL MORTALITY RATE $= \dfrac{\text{No. of Resident Fetal Deaths}}{\text{Total Live Births and Fetal Deaths}} \times 1{,}000$

INFANT MORTALITY RATE $= \dfrac{\text{No. of Resident Deaths at Less Than 1 Year of Age}}{\text{Total Live Births}} \times 1{,}000$

NEONATAL MORTALITY RATE $= \dfrac{\text{No. of Resident Deaths at Less Than 28 Days of Age}}{\text{Total Live Births}} \times 1{,}000$

AGE-SPECIFIC DEATH RATE $= \dfrac{\text{No. of Resident Deaths in Specific Age Group}}{\text{Total Population in Specific Age Group}} \times 100{,}000$

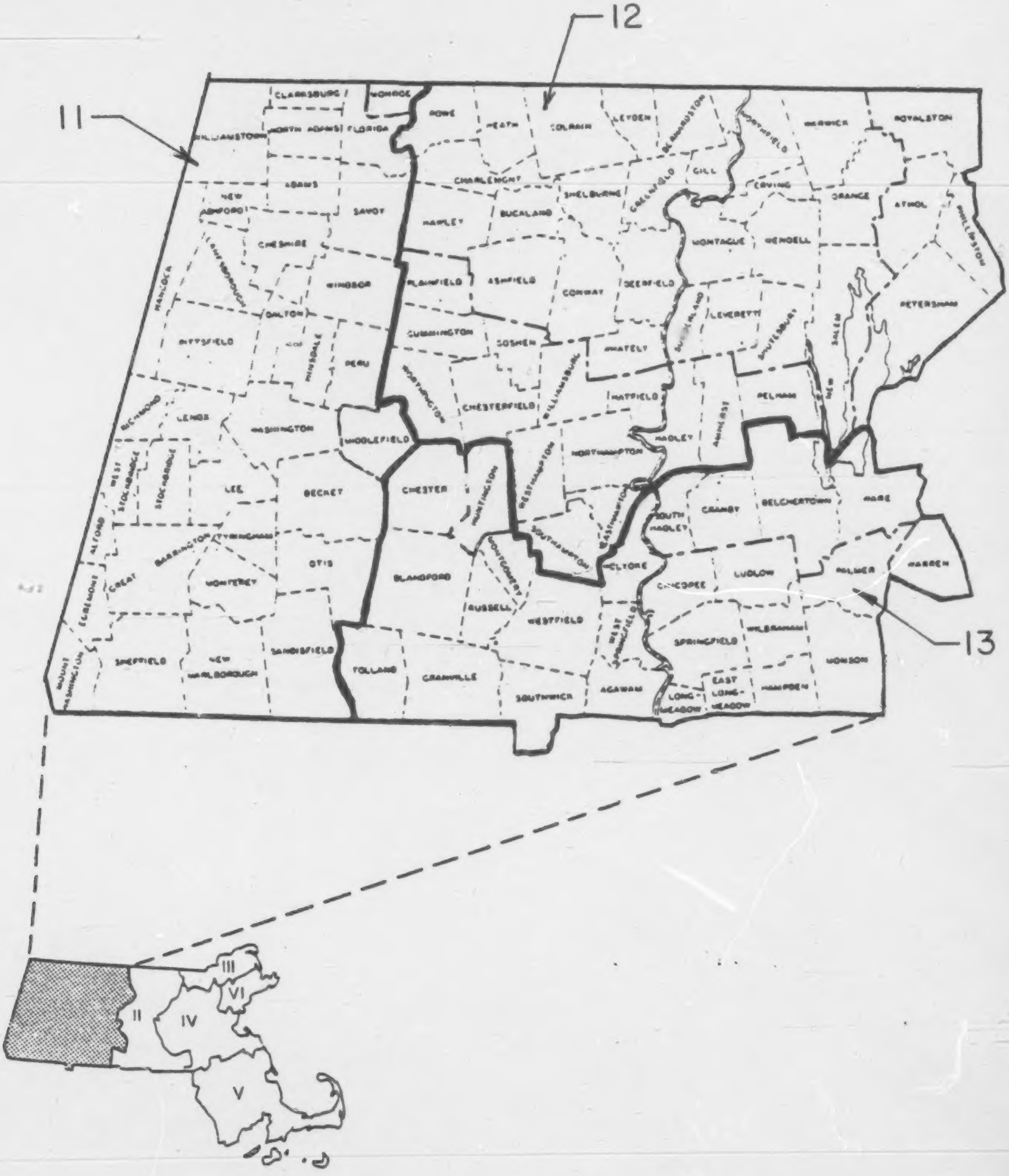
CAUSE-SPECIFIC DEATH RATE $= \dfrac{\text{No. of Resident Deaths from Specific Cause}}{\text{Total Population}} \times 100{,}000$

MARRIAGE RATE $= \dfrac{\text{Number of Occurrence Marriages}}{\text{Total Population}} \times 1{,}000$

DIVORCE RATE $= \dfrac{\text{Number of Occurrence Divorces}}{\text{Total Population}} \times 1{,}000$

APPENDIX III
HEALTH SERVICE AREA MAPS

HEALTH SERVICE AREA I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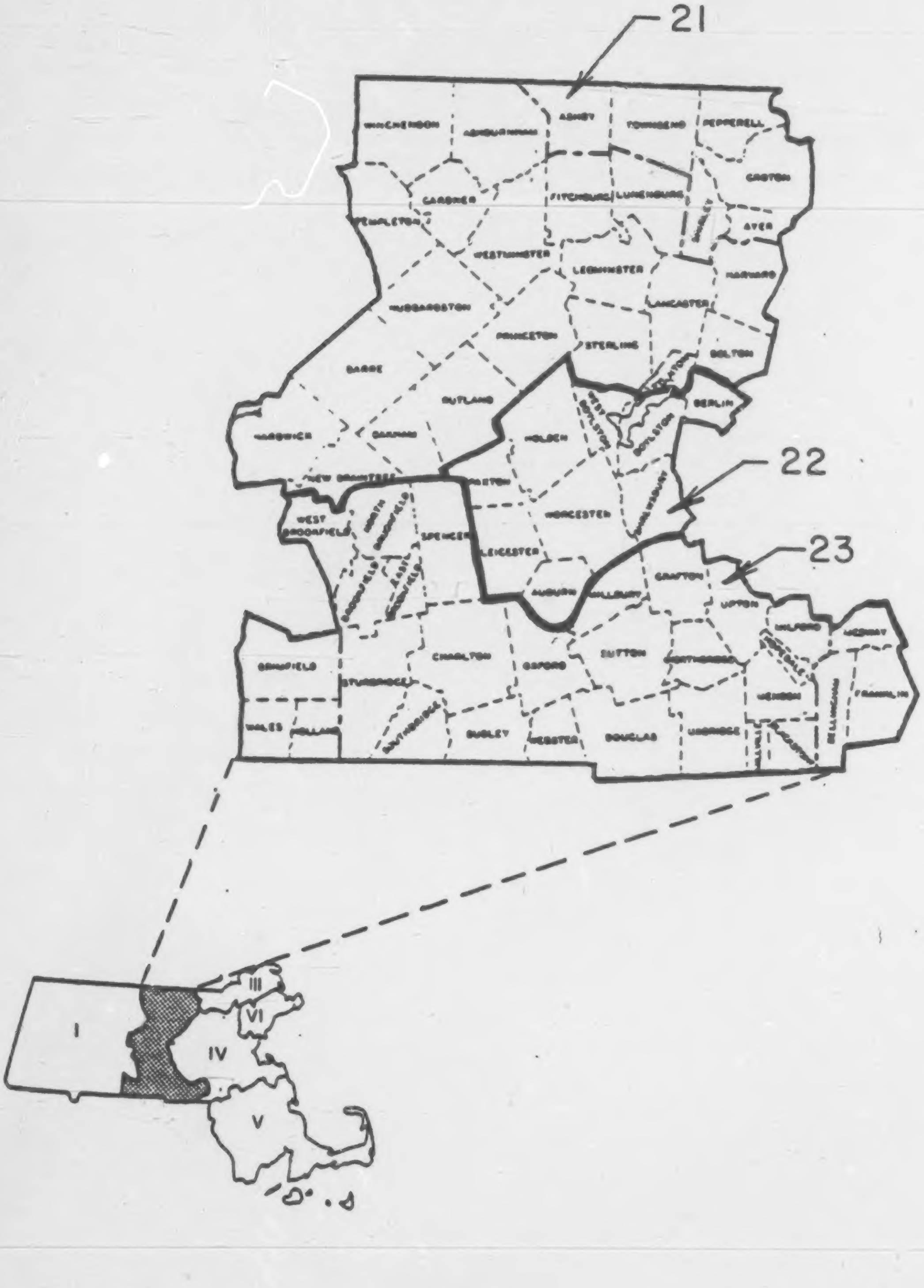
12
13
CLARKSBURG
MONROE
WILLIAMSTOWN
NORTH ADAMS
FLORIDA
ROWE
HEATH
COLRAIN
LEYDEN
BERNARDSTON
NORTHFIELD
WARWICK
ROYALSTON
CHARLEMONT
GILL
ERVING
ORANGE
ATHOL
PHILLIPSTON
ADAMS
NEW ASHFORD
SAVOY
HAWLEY
BUCKLAND
SHELBURNE
GREENFIELD
MONTAGUE
WENDELL
CHESHIRE
LANESBOROUGH
HANCOCK
WINDSOR
PLAINFIELD
ASHFIELD
CONWAY
DEERFIELD
PETERSHAM
DALTON
PITTSFIELD
HINSDALE
PERU
CUMMINGTON
GOSHEN
WHATELY
SUNDERLAND
LEVERETT
SHUTESBURY
SALEM
NEW
WORTHINGTON
CHESTERFIELD
WILLIAMSBURG
HATFIELD
PELHAM
RICHMOND
LENOX
WASHINGTON
MIDDLEFIELD
NORTHAMPTON
HADLEY
AMHERST
WEST STOCKBRIDGE
STOCKBRIDGE
LEE
BECKET
CHESTER
HUNTINGTON
WESTHAMPTON
EASTHAMPTON
SOUTH HADLEY
GRANBY
BELCHERTOWN
WARE
ALFORD
GREAT BARRINGTON
TYRINGHAM
OTIS
MONTEREY
BLANDFORD
MONTGOMERY
SOUTHAMPTON
HOLYOKE
CHICOPEE
LUDLOW
PALMER
WARREN
EGREMONT
RUSSELL
WESTFIELD
WEST SPRINGFIELD
WILBRAHAM
SPRINGFIELD
MOUNT WASHINGTON
SHEFFIELD
NEW MARLBOROUGH
SANDISFIELD
TOLLAND
GRANVILLE
SOUTHWICK
AGAWAM
LONGMEADOW
EAST LONGMEADOW
HAMPDEN
MONSON
II
III
IV
V
VI

HEALTH SERVICE AREA II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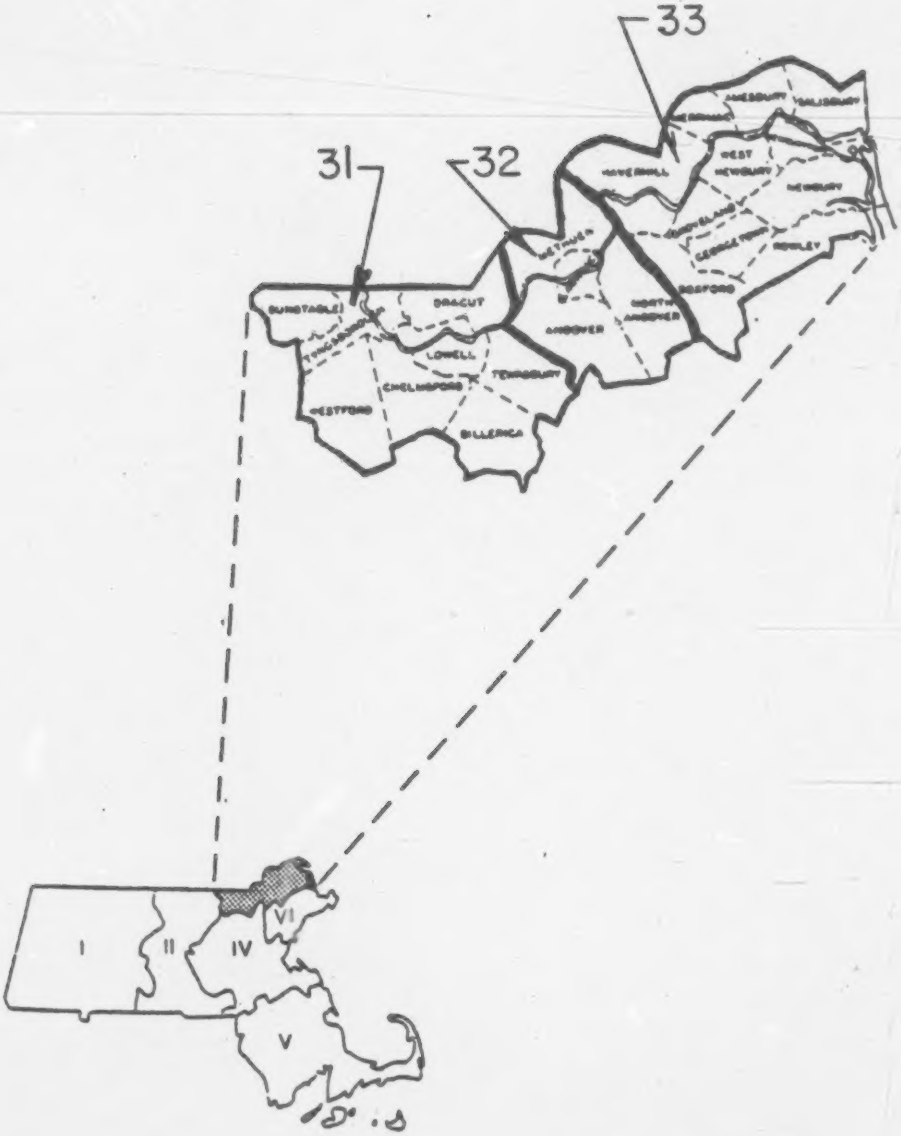
WINCHENDON
ASHBURNHAM
ASHBY
TOWNSEND
PEPPERELL
GROTON
GARDNER
FITCHBURG
LUNENBURG
TEMPLETON
AYER
WESTMINSTER
LEOMINSTER
HARVARD
HUBBARDSTON
LANCASTER
PRINCETON
STERLING
BOLTON
BARRE
RUTLAND
BERLIN
HARDWICK
OAKHAM
HOLDEN
WEST BOYLSTON
BOYLSTON
22
NEW BRAINTREE
PAXTON
WEST BROOKFIELD
NORTH BROOKFIELD
SPENCER
WORCESTER
SHREWSBURY
LEICESTER
BROOKFIELD
EAST BROOKFIELD
23
GRAFTON
AUBURN
MILLBURY
UPTON
MILFORD
MEDWAY
BRIMFIELD
CHARLTON
OXFORD
SUTTON
NORTHBRIDGE
HOPEDALE
STURBRIDGE
MENDON
FRANKLIN
BELLINGHAM
WALES
HOLLAND
SOUTHBRIDGE
DUDLEY
WEBSTER
DOUGLAS
UXBRIDGE
III
VI
I
IV
V

HEALTH SERVICE AREA III



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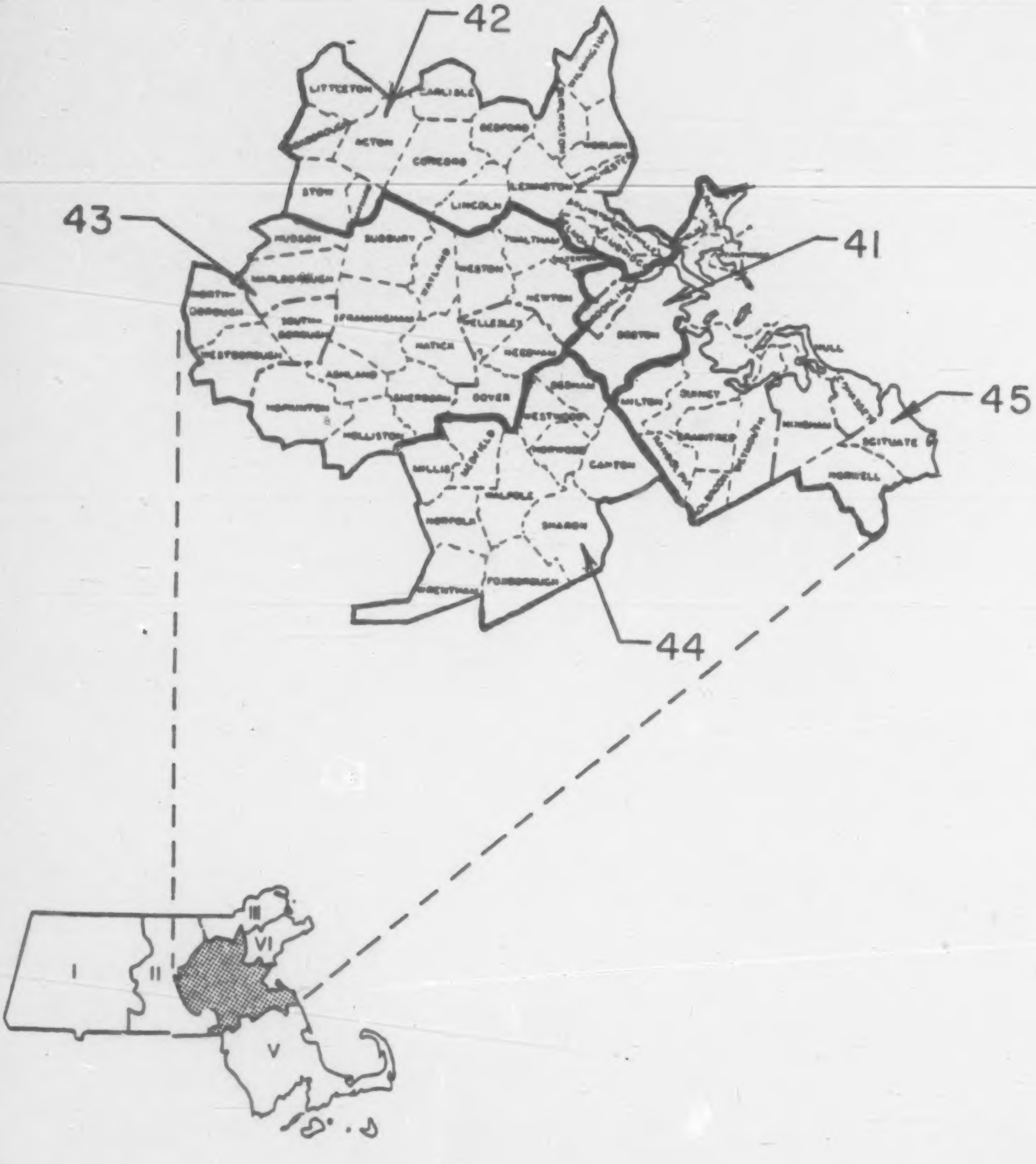
32
33
DUNSTABLE
TYNGSBOROUGH
DRACUT
LOWELL
TEWKSBURY
CHELMSFORD
WESTFORD
BILLERICA
METHUEN
ANDOVER
NORTH ANDOVER
HAVERHILL
MERRIMAC
AMESBURY
SALISBURY
WEST NEWBURY
NEWBURY
GROVELAND
GEORGETOWN
ROWLEY
BOXFORD
I
II
IV
VI
V

HEALTH SERVICE AREA IV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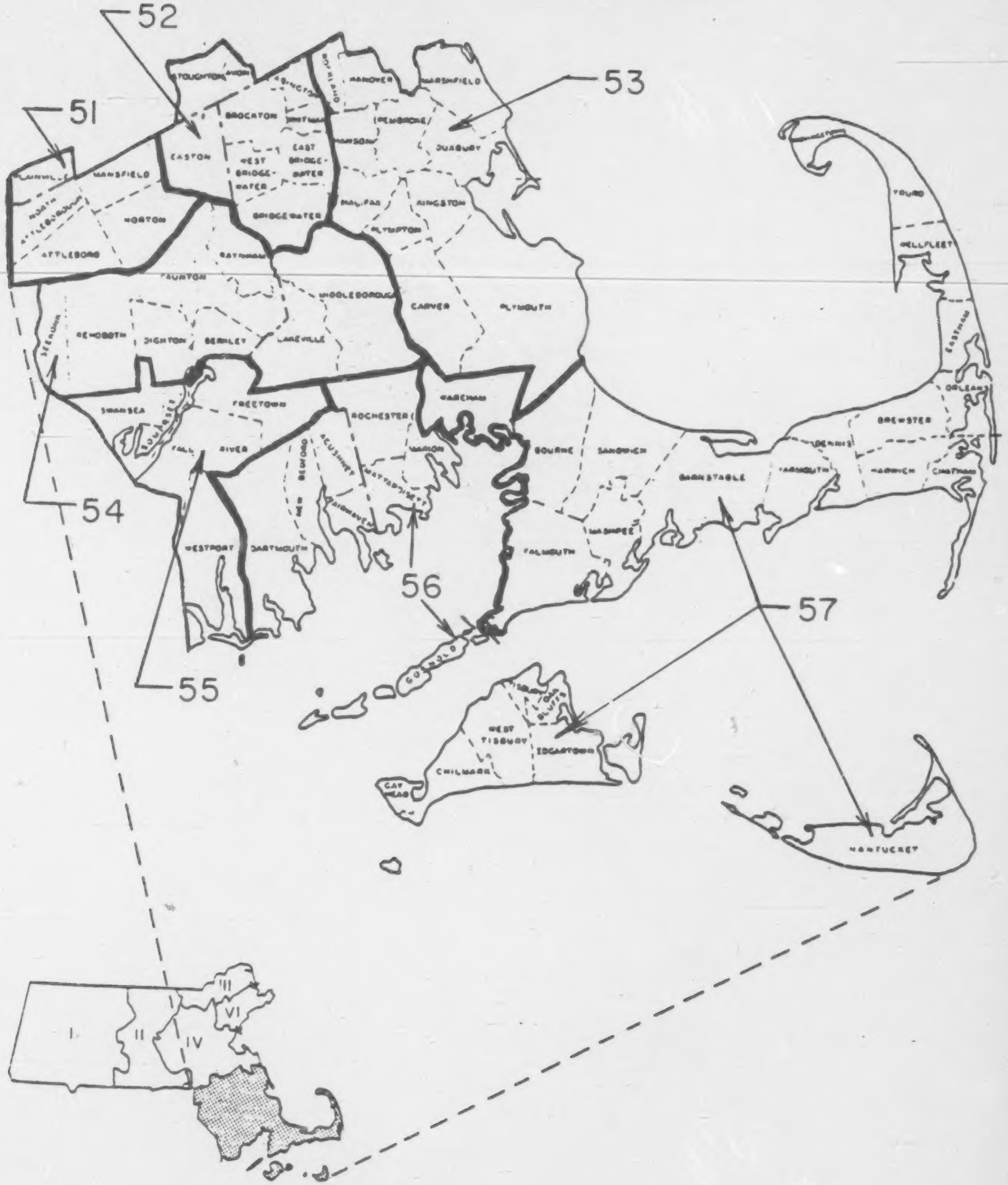
LITTLETON
CARLISLE
BEDFORD
ACTON
CONCORD
STOW
LINCOLN
LEXINGTON
HUDSON
SUDBURY
WALTHAM
MARLBOROUGH
WESTON
NEWTON
NORTHBOROUGH
SOUTHBOROUGH
FRAMINGHAM
WELLESLEY
WESTBOROUGH
NATICK
NEEDHAM
BOSTON
HULL
ASHLAND
SHERBORN
DOVER
DEDHAM
MILTON
QUINCY
HOPKINTON
HOLLISTON
WESTWOOD
BRAINTREE
HINGHAM
SCITUATE
MILLIS
MEDFIELD
NORWOOD
CANTON
NORWELL
WALPOLE
NORFOLK
SHARON
WRENTHAM
FOXBOROUGH
I
II
III
VI
V

HEALTH SERVICE AREA V*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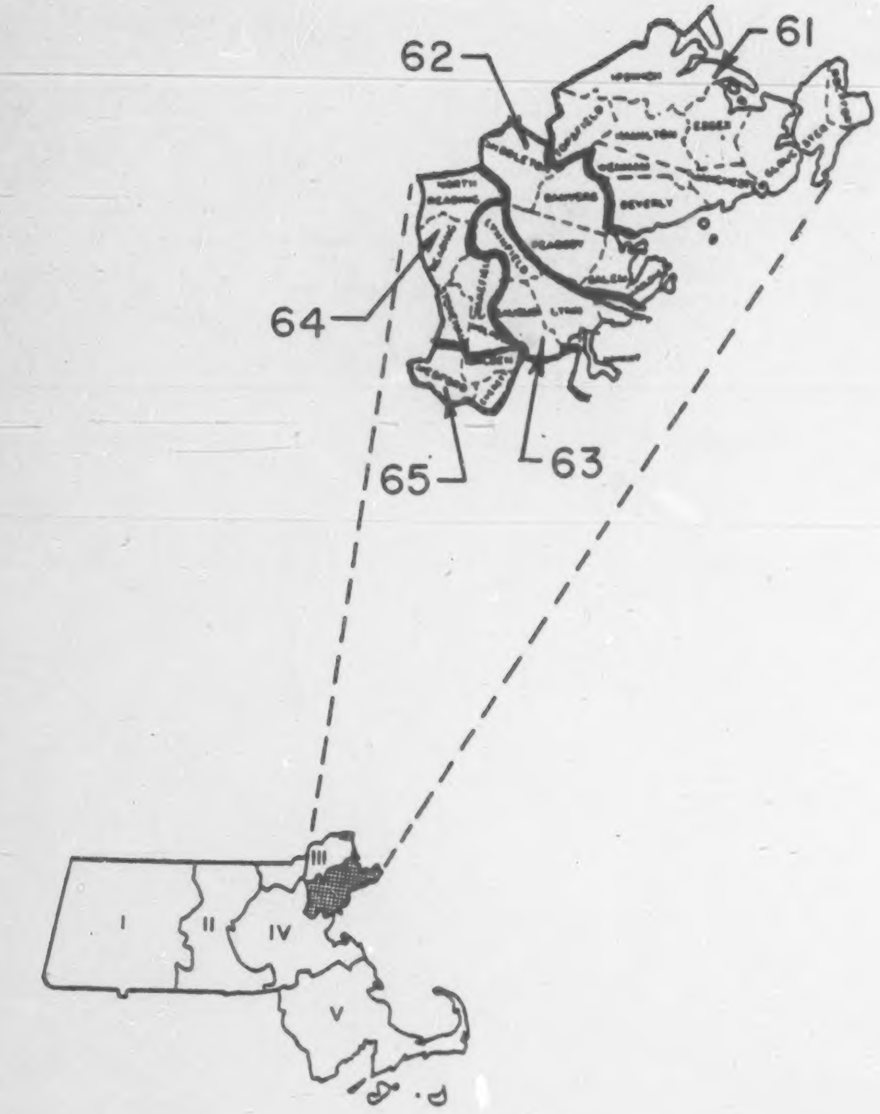
57
STOUGHTON
AVON
BROCKTON
EASTON
MANSFIELD
NORTH ATTLEBOROUGH
ATTLEBORO
NORTON
WEST BRIDGEWATER
EAST BRIDGEWATER
BRIDGEWATER
HANOVER
MARSHFIELD
PEMBROKE
HANSON
DUXBURY
HALIFAX
KINGSTON
PLYMPTON
RAYNHAM
TAUNTON
CARVER
PLYMOUTH
SEEKONK
REHOBOTH
DIGHTON
BERKLEY
LAKEVILLE
SWANSEA
SOMERSET
FREETOWN
FALL RIVER
ROCHESTER
WAREHAM
MARION
NEW BEDFORD
ACUSHNET
MATTAPOISETT
FAIRHAVEN
WESTPORT
DARTMOUTH
BOURNE
SANDWICH
FALMOUTH
MASHPEE
BARNSTABLE
YARMOUTH
DENNIS
BREWSTER
HARWICH
CHATHAM
ORLEANS
EASTHAM
WELLFLEET
TRURO
GOSNOLD
WEST TISBURY
EDGARTOWN
CHILMARK
GAY HEAD
NANTUCKET
I
II
III
IV
VI

*INCLUDES ACTIVE AND INACTIVE SUBAREA COUNCILS.

HEALTH SERVICE AREA VI


61
62
IPSWICH
TOPSFIELD
ESSEX
HAMILTON
MIDDLETON
WENHAM
NORTH READING
DANVERS
BEVERLY
LYNNFIELD
PEABODY
SALEM
LYNN
64
65
63
I
II
III
IV
V